

19971103.qrp v00_n898.qrs.971103

Date: Mon, 3 Nov 1997 19:03:16 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 898

QRP-L Digest 898

Topics covered in this issue include:

- 1) [30125] Re: Reverse Polarity
by WB0NZM <WB0NZM@aol.com>
- 2) [30126] Silver key-contacts all shipped
by W7LS <w7ls@blarg.net>
- 3) [30127] CQ Cleveland, OH
by Mike Duke <K5xu@cris.com>
- 4) [30128] Re: FOX N/T+ Monday
by dhlaute@juno.com (David H. Lauten)
- 5) [30129] build 3GHz freq Counter < \$70
by neil <neil@aade.com>
- 6) [30130] SS Today
by Adrian Weiss <aweiss@sunflowr.usd.edu>
- 7) [30131] Final Reminder: ARS November Spartan Sprint
by "Richard E. Fisher" <ki6sn@pe.net>
- 8) [30132] Re: SS Today
by Bob Hightower <ki7mn@dancris.com>
- 9) [30133] IC-706?
by timcook@erinet.com
- 10) [30134] Re: NorCal 2222 Design Notes: Mixers
by Rich Bachmann <bachmann@ari.net>
- 11) [30135] Re: Reverse Polarity
by K5BDZ@aol.com
- 12) [30136] LONG LIVE SWEEPSTAKES
by "Pablo Robles" <wp4jxd@hotmail.com>
- 13) [30137] Know of any packet gateways?
by ko7i@juno.com (Donald H Jones)
- 14) [30138] Suggestions for my webpage
by "Pablo Robles" <wp4jxd@hotmail.com>
- 15) [30138] Re: FOX N/T+ Monday
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 16) [30139] Re: SUNDAY NITE N/T+FOX!!!
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 17) [30140] NorCal 2222 Design Notes: Mixers
by Leon Heller <leon@lfheller.demon.co.uk>
- 18) [30141] FOX SKUNKED! NEWS AT ELEVEN
by ARDUJENSKI@aol.com
- 19) [30142] 'Wireless' IR Headphones

- by rwright@soml.com (Robert Wright)
- 20) [30143] Saturday Morning Syndrome
by camqrp@cyberg8t.com (Cam Hartford)
- 21) [30144] SS97
by Monte Stark <ku7y@sage.dri.edu>
- 22) [30145] FOX SKUNKED! NEWS AT ELEVEN
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 23) [30146] Re: FOX SKUNKED! NEWS AT ELEVEN
by gsurrency@juno.com (Gary L L Surrency)
- 24) [30147] [3830] VE7CQK SS CW - QRP (fwd)
by Paul Erickson <paul1@wizard.ucs.sfu.ca>
- 25) [30148] NorCal's November Meeting
by Jerry Parker <jparker@fix.net>
- 26) [30149] Design and PCB Layout Tools / Sweepstakes (Two Topic Email)
by Dave Fifield <fifield@pacbell.net>
- 27) [30149] Re: How do I protect my HB projects with a diode??
by David.Reid@asml.nl (David Reid)
- 28) [30150] re. 10 Meter CB/CW thoughts
by Bill Todd <bill@techline.com>
- 29) [30151] QRP CW SS Score
by AE0Q V31RY <v31ry@ix.netcom.com>
- 30) [30152] Re: re. 10 Meter CB/CW thoughts
by mikemo@ibm.net
- 31) [30152] 2 element beam reversal
by Dave.Ackrill@LotusXchgPG.powergen.co.uk
- 32) [30153] Web site not recognised
by Dave.Ackrill@LotusXchgPG.powergen.co.uk
- 33) [30154] CW Sweepstakes
by k5zty@juno.com
- 34) [30155] Re: re. 10 Meter CB/CW thoughts
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 35) [30156] Coax VS Ladder Line feed = and a problem
by "Len W. Tough" <len@infinet.com>
- 36) [30157] SS
by k4wz@juno.com (RON L TODD)
- 37) [30158] W3EAX/NF3I sweepstakes report
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 38) [30159] SS CW: W1PA/QRP summary
by Bill Acito 03-Nov-1997 0903 <acito@asdg.UNET.dec.com>
- 39) [30160] SS 97
by Jim <kw3u@warwick.net>
- 40) [30161] Re: FOX SKUNKED! NEWS AT ELEVEN
by Ken LaRose <kenlar@csolve.net>
- 41) [30162] AR QRP 75/40M nets
by Jim <kj5tf@mctc.com>
- 42) [30163] How do you get antenna in the air?
by "Paulette Quick, WB9VHF" <plquick@facstaff.wisc.edu>
- 43) [30164] Re: How do you get antenna in the air?

- by "Kevin Muenzler - WB5RUE" <wb5rue@stic.net>
- 44) [30165] Re: NorCal 2222 Design Notes: Mixers
by Steven Weber <kd1jv@moose.ncia.net>
- 45) [30166] SS Report NQ7X
by flydnq7x@primenet.com (Floyd Smithberg)
- 46) [30166] Re: 2N2 project (2)
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 47) [30167] SS - Report - long and boring
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 48) [30167] World Map Location Finder?????
by SNickrand@aol.com
- 49) [30168] Sweepstakes
by Tim Pettibone <tpettibo@nmsu.edu>
- 50) [30168] Sunspots
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 51) [30169] SST SS
by bcutter@teal.csn.net (Bob Cutter)
- 52) [30170] Sweepstakes and the Dufficrafters SR-2222
by ji3m@maxwell.com (James R. Duffey)
- 53) [30171] SS 97
by adams@chuck.dallas.sgi.com (Chuck Adams)
- 54) [30172] How do you get antenna in the air?
by "W. D. Lindsey" <70511.3041@compuserve.com>
- 55) [30173] QRP'ers in SS
by Greg Weinfurtner <weinfurtner@ouvaxa.cats.ohiou.edu>
- 56) [30174] LDG Order placed - did you order one?
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 57) [30175] HW Owners Manual?
by Jeff Grudin <grudin@pacific.vdbs.com>
- 58) [30176] SS report
by Joel Malman <malman@BBN.COM>
- 59) [30176] IC-706 Response!!
by timcook@erinet.com
- 60) [30177] NorCal K8FF Paddle Shipping Info
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 61) [30178] Re: SS - Report - long and boring
by "Ron Smith" <resmith@primenet.com>
- 62) [30179] SS report W5VBO and a Newbie Tip
by Brian Kassel <bkassel@dancris.com>
- 63) [30179] Re: How do you get antenna in the air?... LONG (but good!)
by Ed Tanton <n4xy@bellsouth.net>
- 64) [30180] Fun Weekend SS
by Dan Wolfe <n4roa@mounet.com>
- 65) [30181] NF3I Philadelphia visit
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
- 66) [30182] Re: How do I protect my HB projects with a diode?
by sarraf@thermacore.com
- 67) [30179] Re: Sweepstakes

by Stan <stan@cruzio.com>
68) [30180] K10J---SS
by "Owen 'OJ' Quarles" <k1oj@swbell.net>
69) [30180] NorCal's November Meeting Report
by Jerry Parker <jparker@fix.net>
70) [30181] 2222 query
by "Bob Duckworth" <wb4mnf@atl.org>
71) [30182] Re: How do you get antenna in the air?
by Roger Hightower <n7kt@dancris.com>
72) [30183] Help with Web Access
by n4so@juno.com (charles k brown)
73) [30184] Re: How do I protect my HB projects with a diode?
by K5BDZ@aol.com
74) [30185] Wandering keys!
by Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
75) [30186] Re: SS report
by Monte Stark <ku7y@sage.dri.edu>
76) [30184] RE: How do I protect my HB projects with a diode??
by "chuck munce" <k0gjx@classic.msn.com>
77) [30185] FOX: N/T+ Schedule change
by "Buck, Preston D" <BuckPD@corning.com>
78) [30186] Re: SS report W5VBO and a Newbie Tip
by george fremin iii <geoiii@bga.com>
79) [30186] Re: SS 97
by Monte Stark <ku7y@sage.dri.edu>
80) [30187] More 10 meter stuff
by "Kelly Ellison" <kelman@dialnet.net>
81) [30188] Re: QRP CW SS Score
by adams@chuck.dallas.sgi.com (Chuck Adams)
82) [30188] \$15 Solar Panel
by Jim <kj5tf@mctc.com>
83) [30189] Re: Two-wire Yagi
by "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
84) [30189] Re: W3EAX/NF3I sweepstakes report
by adams@chuck.dallas.sgi.com (Chuck Adams)
85) [30189] 2222 Design - Mixer termination
by "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
86) [30190] Re: How do you get antenna in the air?...
by Randy Hargenrader <randyh@harksystems.com>
87) [30191] RE: Coax VS Ladder Line feed = and a problem
by John Anthony Reynolds <D2250077@infotrade.co.uk>
88) [30191] RE: How do I protect my HB projects with a diode??
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
89) [30192] SS Sumary and comments
by gregoire@endor.com
90) [30192] RF Choke values
by "L. Mark Pilant - MS:ZK03-4/Y02 DTN:381-1529" <pilant@seesaw.ENET.dec.com>
91) [30193] Milliwatting the CWSS

- by Bob White <bobwhitewo3b@geocities.com>
- 92) [30194] perspective on qrp
by "Phil, K6LS" <k6ls@amsat.org>
- 93) [30195] Fox
by "Rattray, Bruce" <Rattray@siast.sk.ca>
- 94) [30196] 2N2222 Audio amp, ClassA for earbuds
by Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
- 95) [30197] Portland-area QRP meeting report
by "Michael Fletcher" <kl7ixi@mailcity.com>
- 96) [30198] Re: How do I protect my HB projects with a diode?
by K5BDZ@aol.com
- 97) [30199] perspective on QRP/weak signals
by "Phil, K6LS" <k6ls@amsat.org>
- 98) [30200] Re: \$15 Solar Panel
by jim <kj5tf@mctc.com>
- 99) [30201] Re: RF Choke values
by torell@sicom.com (Kent Torell)
- 100) [30202] cw filter
by "Royce Rainwater" <ke5tc@cwis.net>
- 101) [30203] Re: re. 10 Meter CB/CW thoughts
by mikemo@ibm.net
- 102) [30204] SS CQ 97
by Charlie Panek <charlier@lsid.hp.com>
- 103) [30205] Re: 2N2 project (2)
by Steven Weber <kd1jv@moose.ncia.net>
- 104) [30206] Re: cw filter
by Hank Kohl K8DD <k8dd@contesting.com>
- 105) [30206] Re: cw filter
by K5BDZ <K5BDZ@aol.com>

Date: Sun, 2 Nov 1997 19:16:02 EST
From: WB0NZM <WB0NZM@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [30125] Re: Reverse Polarity
Message-ID: <78b4b228.345d1794@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 97-11-02 12:16:56 EST, you write:

<< So, my conclusion is that while this scheme works great for low current draw equipment, like in my ARK-20, I probably would not do something like this for high current equipment. This does not mean it won't work. Properly designed, it will probably work well. >>

This method of reverse polarity protection is used extensively in commercial communications equipment, that pulls in the range of a few amps up to as much as 10 to 15 amps. Some equipment, though, will use a transient suppressor, instead of just a diode, so that overvoltage spikes are also protected against.

John

Date: Sun, 02 Nov 1997 16:21:54 -0800
From: W7LS <w7ls@blarg.net>
To: qrp-1@Lehigh.EDU
Subject: [30126] Silver key-contacts all shipped
Message-ID: <345D1922.43BD@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, gang. All of the requests for silver plated copper key contacts have been sent out in the mail, as promised. Wowzers, there a bunch of key paddles in the making!

I made arrangements so that I can get contacts for the group whenever we want. Same deal. A buck a set (4). Need a SASE, too.

73 de Jim, W7LS

Jim Hossack W7LS
15221 342nd Ave, NE
Duvall, WA 98019

Date: Sun, 2 Nov 1997 19:48:09 -0500 (EST)
From: Mike Duke <K5xu@cris.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30127] CQ Cleveland, OH
Message-ID: <Pine.SUN.3.96.971102194603.4515E-100000@mariner.cris.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Is anyone from Cleveland on this list?

If so, please give me the best 2 meter or 440 repeater to use from the down town area with an ht.

I'll be there this weekend (Nov. 7 - 9) for a meeting and may have a

little time to play fm radio.
72/73,
Mike

AMATEUR RADIO STATION K 5 X U
Jackson, Mississippi

Date: Sun, 02 Nov 1997 20:20:02 EST
From: dhlauten@juno.com (David H. Lauten)
To: QRP-L@Lehigh.EDU
Subject: [30128] Re: FOX N/T+ Monday
Message-ID: <19971102.180238.7383.0.DHLAUTEN@juno.com>

I will be the Monday Night N/T+ Fox.

TIME: 0200-0400 UTC Tuesday, November 4

FREQUENCY: About 7.112

I am looking forward to the hunt.

David, KF4HAW
Conway, SC (near Myrtle Beach)

Date: Sun, 02 Nov 1997 17:19:23 -0800
From: neil <neil@aade.com>
To: qrp-l@Lehigh.EDU
Subject: [30129] build 3GHz freq Counter < \$70
Message-ID: <345D269B.3A4@aade.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

<http://www.aade.com/dfd4.htm>

Check the Encyclopedia of Amateur Radio Equipment
<http://www.aade.com/hampedia/hampedia.htm>

--
Neil
<http://www.aade.com>

mailto:neil@aaade.com
Almost All Digital Electronics
1412 Elm St. SE
Auburn, WA 98092
253-351-9316

Date: Sun, 2 Nov 1997 19:38:42 -0600 (CST)
From: Adrian Weiss <aweiss@sunflowr.usd.edu>
To: QRP-L@listserv.lehigh.edu
Subject: [30130] SS Today
Message-ID: <Pine.SOL.3.94.971102193226.5250C-100000@sundance>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi gang:

Gave my NorCal a rather embarrassing "baptism of fire" today in the SS. The results were very good -- ran QSO's about one per 2 minutes for a couple of hours. Now, if you read my note about the QRP-ARCI Party a couple of weeks ago, you recall that I complained about the line-noise around here wiping out the s-5 level of QRP'rs. Well, guess what it was like to day... yep, absolutely no line noise and nothing but s-9+40dB SS contesters. Why is life like this? (rhetorical question..) At any rate, the paddle takes getting used to if you've never used one. But at times, I knew it was going to make life a lot easier after I get the hang of it.

Ran into two other QRP'rs battling among the giants - K7MM and NC7W. Probably were more around, just didn't run across them.

Main point -- don't get depressed to the point of ignoring these KW-only contests. A lot of these top contestors are top-operators who can pick out a whisper of a QRP signal in the general havoc. I don't know why this is so, but after every foray into such a contest, I still end up saying "Wow!" for a day or so after making a string of easy QSO's. So, go for it!

73, Ade W0RSP

Date: Sun, 2 Nov 1997 18:16:31 -0800
From: "Richard E. Fisher" <ki6sn@pe.net>

To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Cc: "'Richard Fisher, AMSAT'" <KI6SN@amsat.org>
Subject: [30131] Final Reminder: ARS November Spartan Sprint
Message-ID: <01BCE7BB.955F90A0@ki6sn>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

The November Spartan Sprint will be held on November 3 (which is our=20 standard date--the first Monday of the month). We will be operating on=20 three bands -- 80, 40 and 20. DON'T WORRY IF YOUR STATION IS A BIT = TUBBY. WE COMMEND THE WINNERS IN TWO CATEGORIES--POINTS, AND POINTS PER = POUND.

If you are a newcomer to the Sprints, take a look at the introductory=20 material at the end of this post.=20

1. Start at 9:00 PM EST, 8:00 CST, 7:00 MST and 6:00 PST.
Finish at 11:00 PM EST, 10:00 CST, 9:00 MST and 8:00 PST.
2. The frequencies will be 3,560+- Khz, 7040+- KHz, and 14,060+- KHz. = (You may operate one, two or three bands--your choice.)=20
3. Exchange RST, SPC (state, province or country) and power output.
4. If you choose to call CQ, use the format "CQ SP".
5. You can take credit for working the same station on a second band.=20
6. To encourage QRPers to discover that there is life outside 40 meters, = we'll give double points for contacts on 80 and 20 meters.

After the contest, send Russ Carpenter, AA7QU, an e-mail with your total = QSOs and the total weight of your station (i.e., the combined weight of=20 the transmitter, receiver, key, keyer and battery). You may also include = your comments from the soapbox. Russ' email address is = russ@natworld.com.

As an alternative, you can use our automated Spartan Sprint report at = the=20 ARS web site. Just fill in a few boxes, click the "submit" button, and=20 you're done! You can get directly to the report page with this URL:=20 http://www.natworld.com/ars/events/spartan/submit_spartan.html. Or you=20 can take a more leisurely (and rewarding) stroll through the ARS site by =

going to the home page at <http://www.natworld.com/ars>.

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and points per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of points per pound.

ARS provides handsome certificates to the operators who achieve the top two scores in points, and points per pound.

If you're thinking about becoming a member of Adventure Radio Society, just send Richard Fisher (our membership chairman) an e-mail expressing your interest. Richard's e-mail address is KI6SN@aol.com. Membership is free, and the organization has a great group of men and women who combine their love of ham radio with their affection for the outdoors. You don't need to be a macho person; ARS welcomes people of all ages and levels of ability.

72, Russ Carpenter, AA7QU, Contest Manager
russ@natworld.com

Date: Sun, 2 Nov 1997 19:42:03 -0700 (MST)

From: Bob Hightower <ki7mn@dancris.com>
To: aweiss@sunflowr.usd.edu
Cc: qrp-l@Lehigh.EDU
Subject: [30132] Re: SS Today
Message-ID: <199711030242.TAA10702@dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 07:38 PM 11/2/97 -0600, you wrote:

>
>Ran into two other QRP'rs battling among the giants - K7MM and NC7W.
>Probably were more around, just didn't run across them.
>
Might have been me, Ade. I thought I heard your call in there, but since I was in H/P mode, I never heard you to make contact. Also heard Jim Duffey KK6MC/5 (no contact), and got a point from Jack W5TFB. Finally got one from Bob N4BP, running precedence B.
Not many other qrp'ers heard.

>Main point -- don't get depressed to the point of ignoring these
>KW-only contests. A lot of these top contestors are top-operators
>who can pick out a whisper of a QRP signal in the general havoc.
>I don't know why this is so, but after every foray into such a
>contest, I still end up saying "Wow!" for a day or so after making
>a string of easy QSO's. So, go for it!
>

I was surprised...most of them I called came right back, and only a few repeats asked for. Not a great score, but fun, and proof that qrp power can do it, though it's sometimes frustrating battling the higher powered rigs.

Man are those guys fast!

73,
Bob, KI7MN Chandler, AZ ScQRPion QRP-L #271, NorCal #1228, CQC #274, QRP
ARCI #8918, AK QRP #30, not in any order of importance.
33.334500N -111.87260W
<http://www.dancris.com/~ki7mn>
WIMPS: QSO's=19 30=19 17=0 12=0 States=15/0/0 DX=0/0/0 QSL's=7

Date: Sun, 02 Nov 1997 21:45:49 -0500
From: timcook@erinet.com

To: QRPL <qrpl-1@Lehigh.EDU>
Subject: [30133] IC-706?
Message-ID: <345D3ADD.1FB6@erinet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I am very close to purchasing an IC-706 MKII. I wonder if anyone on here is using the 706 MKII (or earlier version)? I would like to hear some comments about them. I would be using it on cw/QRP mainly, but like the other modes as well. I am currently using a IC-735 and it is a great lil QRP rig, but the additional features of the 706 are appealing.
Thanks in advance for any info.

73
Tim
NZ8J

Date: Sun, 2 Nov 1997 21:56:57 -0500
From: Rich Bachmann <bachmann@ari.net>
To: "'qrpl-1@lehigh.edu'" <qrpl-1@Lehigh.EDU>
Cc: "'kd7s@psnw.com'" <kd7s@psnw.com>
Subject: [30134] Re: NorCal 2222 Design Notes: Mixers
Message-ID: <01BCE7DA.3F0CEDF0@ppp_bach.ari.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

Terminating the double balanced mixer into the IF properly for all = frequencies seems like a problem. Could one terminate the IF output of = the mixer into a low resistance and use a high input impedance amp = (maybe a darlington pair voltage follower) to bridge into the IF filter = and amp? The high impedance in parallel with the low resistance would = primarily look like the low resistance. If the mixer is matched to the = low resistance in the first place, reflections in the mixer that detract = from dynamic range would be eliminated. Going another step, the low = resistance termination could be a common base amplifier that will give = some voltage gain and then tap off the termination on the output of the = common base amp with a high impedance amp. I don't know if this is a = workable approach, just food for thought.

Since there is normally a low pass filter on the output of the Class C = PA, a high-pass filter in the receive path on the input to the mixer = would give a band pass input characteristic. This band pass input = characteristic would reduce the noise floor in the mixer by eliminating = all the other products that would result if the extra frequencies were =

let in. A wide band match to the IF would still be needed so that the =
sum and difference frequencies (and all the higher order stuff) would =
not cause reflections. =20

72, Rich, N3SLR
bachmann@ari.net

Date: Sun, 2 Nov 1997 22:07:38 -0500 (EST)
From: K5BDZ@aol.com
To: g3ycc@gqrpclub.demon.co.uk, qrp-1@Lehigh.EDU
Subject: [30135] Re: Reverse Polarity
Message-ID: <971102220736_1068675637@mrin39>

Almost all the kits put out by Tejas RF Technology, including the Backpacker
I and Backpacker II, Audio filters, etc. all had protective diodes in series
with the +12 input line. Too bad Tejas is no longer offering kits or other
ham gear
Bill, K5BDZ
k5bdz@aol.com

Date: Sun, 02 Nov 1997 19:43:18 PST
From: "Pablo Robles" <wp4jxd@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [30136] LONG LIVE SWEEPSTAKES
Message-ID: <19971103034319.2826.qmail@hotmail.com>
Content-Type: text/plain

Well fellows, here are the results of my first time on the sweepstakes
on CW and QRP. I ve done the sweepstakes once from KP4VA the station of
the Electrical Engineering Department of the University of Puerto Rico
on SSB. This was way a lot more fun!

Call: WP4JXD
Mode: CW

Operation time: 14 hrs:
Category: Single Operator QRP

BAND	QSO	QSO PTS	SECTIONS
------	-----	---------	----------

160	0	0	-
80	0	0	-
40	69	138	-
20	62	124	-
15	2	4	-
10	0	0	-

Totals 133 266 50

Score: 13,300

Not much of a clean sweep but there will be another next year. I used my OHR QRP Classic except for the 2 QSOs on 15 which I made on my HW-8. HOW DID YOU DID ON SS?

Regards
Pablo

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sun, 02 Nov 1997 22:45:08 EST
From: ko7i@juno.com (Donald H Jones)
To: qrp-1@Lehigh.EDU
Subject: [30137] Know of any packet gateways?
Message-ID: <19971102.204137.7775.0.ko7i@juno.com>

Hi,
I was wondering if anyone knew of any packet gateways I could get into from the "webb side" and download/read ax.25 messages?
72,
Don Jones
ko7i@juno.com
Stanwood, WA
360-652-0248

Date: Sun, 02 Nov 1997 19:58:48 PST
From: "Pablo Robles" <wp4jxd@hotmail.com>

To: qrp-l@Lehigh.EDU
Subject: [30138] Suggestions for my webpage
Message-ID: <19971103035849.29062.qmail@hotmail.com>
Content-Type: text/plain

Hi Fellows,

I'm trying to make a decent QRP WEB PAGE. I have seen so many well designed pages that I'm uncertain about what to include on mine. My page is at:

<http://www.geocities.com/capecanaveral/hangar/3613>

Go and see how it looks and make the suggestions, please direct all messages directly to me. Thanks in advance!

Pablo

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Sun, 2 Nov 1997 23:11:20 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:dhlauten@juno.com" <dhlauten@juno.com>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [30138] Re: FOX N/T+ Monday
Message-ID: <199711022313_MC2-267A-37D2@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

David:

Well I will join the sound of the hunters after you tomorrow evening. Hope the propagation is better for you than it was for Alan KB7MBI tonight! Never heard a peepe out of him, and no sound of a pileup. He had said it might be this way. Oh well. ;-(

But tomorrow evening is a new hunt! So good luck. Thanks for serving as our FOX.

And remember this call--K..0..E..V..Z !!!

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 55/42 <>< FOX Total 11/03/97 10 of 11 + 8 of 10 N/T+ FOX.

Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er 38S
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Sun, 2 Nov 1997 23:11:15 -0500

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: "INTERNET:ARDUJENSKI@aol.com" <ARDUJENSKI@aol.com>, "Doc W.D. Lindsey/K0EVZ"
<70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>

Subject: [30139] Re: SUNDAY NITE N/T+FOX!!!

Message-ID: <199711022313_MC2-267A-37D1@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: 7bit

Content-Type: text/plain; charset=us-ascii

Content-Disposition: inline

Alan:

Well you were right, it seems--the prop apparently wiped it out for me
tonight. Was in there for the entire hunt. No luck, and I didn't even
hear any pileup. Oh well.

But there will be other night. Thanks again for serving as the FOX
tonight!

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 56/42 <>< FOX Total 11/02/97 10 of 11 + 8 of 10 N/T+ FOX.

Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er 38S
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Sun, 2 Nov 1997 06:50:48 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: kd7s@psnw.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30140] NorCal 2222 Design Notes: Mixers
Message-ID: <c3kTbQAILCX0EwRk@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <199711020414.UAA12385@sierra.psnw.com>, Bill Jones
<kd7s@psnw.com> writes
>Thanks to Wayne for the great advice on double-balanced mixers. I certainly
>plan to build one for my entry. However, the big stumbling block for me is
>how to properly terminate the i.f. port of a DBM. I've learned (from
>Campbell and Lewellen) that an improperly terminated DBM can cause serious
>degradation of the dynamic range. Also, a diplexer for a superhet is
>different than for a direct conversion receiver. So, it's back to "Solid
>State Design" I guess.
>
>>-- You can make a diode double-balanced mixer (DBM) with four diodes
>>matched for forward resistance using a DMM and a couple of toroidal
>>transformers;

Rather than messing about with diplexers, it's much simpler to just use
a broad-band amplifier after the mixer with 50 R I/O impedances. You get
some gain before the filter, into the bargain. It isn't so good from a
strong signal handling point of view, though.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/rcm.htm> for details of a
low-cost reconfigurable computing module using the XC6216 FPGA

Date: Sun, 2 Nov 1997 23:40:10 -0500 (EST)
From: ARDUJENSKI@aol.com
To: qrp-1@Lehigh.EDU
Subject: [30141] FOX SKUNKED! NEWS AT ELEVEN
Message-ID: <971102233714_1169072296@emout08.mail.aol.com>

Well hounds, where the heck were you!
Not quite sure if it was me or the poor propagation. ZERO, NONE,....

CONTACTS. But the long and short of it is the cookies will be on for next week. The greatest MILES/WATT wins 2 dozen cookies and an extra dozen if you break the 8500 record!

On the bright side I got a heck of a lot of sending practice in. Anybody out there even hear me?

KB7MBI (Alan)

Date: Sun, 02 Nov 1997 21:10:54 -0800
From: rwright@soml.com (Robert Wright)
To: qrp-l@Lehigh.EDU
Subject: [30142] 'Wireless' IR Headphones
Message-ID: <199711030418.UAA15897@sub.sonic.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dear QRP-L Gang,

Always looking for stuff for the QRP station here and today while roaming the vast isles of PriceCostco found a 'wireless' IR headphone set with on/off and volume control, not too heavy, IR transmitter- stereo input with a/c wall wart, all cables, 1/4 inch plug stereo adaptor and even a microphone to attach to a device without headphone output (!?), all for 29.95 bucks. Bought one, and tried it out here with hi-fi and for my original thought, cw use in the shack. Works great, good fidelity and now I can roam around the room, or not get tangled in the headphone cord. Comfortable headset, uses 2 AAA for power. I will use my little solar panel charger on some nicads for it. Have a look -- unit is called "Un/Wired" and did fine in my RF atmosphere... distributed by some group called "Laral Group." Maybe there are cheaper ones of these, but quality was good on the unit I purchased.

Standard disclaimer: I have no connection with any of the above commercial entities.

72, Robert K7RRW

\\|//
(o o)
-----o00---()---00o-----
Robert R. Wright, M.D. Santa Rosa, CA K7RRW (ex-WB7CNJ) CM88p1
QRP-L #333 Norcal #201 MARCO #837 QRP-ARCI #8382 RCMA CASN-022
Life Member ARRL, AMSAT, NRA, WorldRadio email:rwright@soml.com

'I would rather be attacked than unnoticed. For the worst thing you can do to an author is to be silent as to his works.' - Samuel Johnson

Date: Sun, 2 Nov 1997 21:15:21 -0800 (PST)
From: camqrp@cyberg8t.com (Cam Hartford)
To: qrp-1@Lehigh.EDU
Subject: [30143] Saturday Morning Syndrome
Message-ID: <199711030515.VAA15089@key.cyberg8t.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ahem...

Saturday morning dawned sunny and bright,
A fine Autumn weekend, the kind that's just right
For doing the things we Hams like to do,
Like contesting, building and doing homebrew.

Some will brave Sweepstakes, paddles in hand,
Hunting sections like fugitives, each band by band.
The computer dweebs do it with miracles digital
Eschewing the paddles as ancient and trivial.

Yet others are finding the last days of Autumn
are needed to mend and erect things aluminum,
Things that are copper and up in the trees,
To last a full winter of "72s" and "73s".

I am torn, as is usual, by many alternatives,
El Nino suggests that I take affirmative
actions regarding the state of the house,
the gutters, the deck, to placate my spouse.

Ever responsible, I lean to the tasks,
while dreaming of pounding out Qs on the brass,
or building the rig that will make me so proud,
or rigging antennas to make my sigs loud.

At last I know I can take it no longer,
My willpower fades, it was once so much stronger,
I jump from the ladder and throw down the bucket
With a shout she knows I intend to chuck it --

"Full speed ahead, and Damn the Honey-Dos,
I've got to solder some 2222s!"

With apologies to W8WML (SK) Master of Hot Doggerel and King of the Lake
Erie Swing.

72/73,

Cam N6GA

Date: Sun, 02 Nov 1997 21:28:00 -0800
From: Monte Stark <ku7y@sage.dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [30144] SS97
Message-ID: <345D60E0.1570@sage.dri.edu>
MIME-Version: 1.0
Content-Type: multipart/mixed; boundary="-----437B3D24BC4"

This is a multi-part message in MIME format.

-----437B3D24BC4
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All,

Well, it's over!

I have attached my summary but am using netscape from here at home and
have no idea where it is!!!

Anyway, I thought the condx were very good. 10m was not much to shout
about. But 15m produced as much as 40m did. 20m was the bread and butter
band. And on 80m I got many of the close in sections. (I loaded my tower
about 2 hours before the contest started!).

My goal was to beat last years score and I did that. Have no idea how
that fellow from Texas did, never heard him!

But I sure did hear Jack, W5TFB. He was better than 150 ahead of me and
that was early in the contest!

Many BIG qrp scores this year. Heard numbers over 700!!

I set the speed at 25wpm and would go up and down from there. Most of the time in the lower part of the band, I had it at 28 wpm. Now and then at 31 wpm. But never any higher. The SS really isn't too fast! But it sure seems that way because it's so busy.

Ade posted about the lack of noise....well, I wonder if maybe the rig was just a bit desensed and couldn't hear the noise!! I ran with the DSP on for noise all the time. Used the 500 cycle filter while running and the 250 while S&Ping.

Zero problems with the software. Not counting getting my fingers all tangled up now and then!! Ever try sending with the paddles while making corrections with the other hand?? Gotta get that down pat yet!!

I sure need to get much more time in with the second rig. Trying to listen to another band while keeping up with the one your on takes a whole lot of getting used to! But at least you can tell if the band is open and how much activity is there. Many times it's just the same stations calling CQ. (You can only work them once in SS).

Be very sure to send in your scores, no matter what they are. That is one way of showing the world that QRP is alive and well!!

Now it's about time to go to bed!!

(Ever notice how the HD in your computer send CW?) :-)

cul,
--
73, Ron

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP QRCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

-----437B3D24BC4
Content-Type: text/plain; charset=us-ascii; name="sumpost.txt"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline; filename="sumpost.txt"

BAND	Raw QSOs	Valid QSOs	Points	Mults
80CW	53	53	106	7

40CW	145	145	290	10
20CW	209	209	418	23
15CW	146	146	292	35
10CW	8	8	16	2

Totals	561	561	1122	77
--------	-----	-----	------	----

Final Score = 86394 points.

-----437B3D24BC4--

Date: Mon, 3 Nov 1997 00:28:37 -0500
 From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
 To: "INTERNET:ARDUJENSKI@aol.com" <ARDUJENSKI@aol.com>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
 Subject: [30145] FOX SKUNKED! NEWS AT ELEVEN
 Message-ID: <199711030031_MC2-267A-3B90@compuserve.com>
 MIME-Version: 1.0
 Content-Transfer-Encoding: 7bit
 Content-Type: text/plain; charset=us-ascii
 Content-Disposition: inline

Alan:

Please tell us where you were, eg frequency? I listened from 7100 clear up to 7150. Centered the search from about 7110-7122. But I kept running to the top quite often just in case (plus your other four hunts were from roughly 7119-7122.5 or so). No sign of you.

There were very few guys on there, and signals were extraordinarily weak, it seemed. Never heard *anyone* calling you. OTOH there was extreme QRM tonight from SW broadcasters and from some digital guy close to 7116.6 or so. There was enormous QRM/QRB (buzzing sound) from 7122.4-7124.8 literally all night.

I tried two rigs, the Icom 751A and later the TenTec Omni V. Not a peep from the FOX. Tried the GAP Titan DX and later the TNT/2 Windom. Still not a peep from the FOX.

So my opinion was that yes, indeedy, poor/bad propagation did us all in

tonight. Will be interested in what others say. But know that at least K-0-E-V-Z was in there solid for the entire 2 hours.

And you know what--another Sunday is on its way...!

72/73,

--Doc/K0EVZ qrp-1 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 55/42 <>< FOX Total 11/02/97 10 of 11 + 8 of 10 N/T+ FOX.

Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP Titan DX
TNT/2 Windom SLV/W6MMA G5RV Auttek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Sun, 2 Nov 1997 23:04:30 -0700
From: gsurrency@juno.com (Gary L L Surrency)
To: 70511.3041@compuserve.com
Cc: qrp-1@Lehigh.EDU
Subject: [30146] Re: FOX SKUNKED! NEWS AT ELEVEN
Message-ID: <19971102.230430.3462.3.gsurrency@juno.com>

Doc, K0EVZ wrote:

> There was enormous QRM/QRB (buzzing sound) from
> 7122.4-7124.8 literally all night.

Yeah, I heard that awful buzzing here, too. Sounded like a jamming signal or some intention QRM source. Very wide, too.

I'm always amazed at the variety of noise and signals heard on the HF bands. Weird stuff. Really makes you wonder..... 8^?

QRB???? Are you bothered by buzzing?

Hey, I like it! Could apply to a lot of stuff: light-activated night lights; sodium vapor streets light gone bad; fluorescent lights; dimmers; touch lamps; etc., etc.

No, wait. I know. Abductions must be happening again. Yeah, that's it. Hey! It's stopped now. (0604 UTC) What the he**???? Wonder if it comes back tomorrow night?

Mulder? Scully? Nils? Are you still here? ;-)

seven T 2 22's,

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions, ARRL VE

Date: Sun, 2 Nov 97 22:26:59 PST

From: Paul Erickson <paul1@wizard.ucs.sfu.ca>

To: qrp-l@Lehigh.EDU (qrp)

Subject: [30147] [3830] VE7CQK SS CW - QRP (fwd)

Message-ID: <9711030627.AA18711@wizard.ucs.sfu.ca>

Well Chuck,

Thanks for pushing us to get out there. This was my first time in Sweepstakes, but will not be the last. Operated from home with my ts940 and 60ft vertical. I have to get another computer, my old nec multispeed with just two floppies is a real pain to run TRlog on. Anyone know of a good deal on an older laptop?-)

Sounds like some on the list had a real good time.

cheers, Paul

VE7CQK

email: paul1@wizard.ucs.sfu.ca

>

>

>

SWEEPSTAKES SUMMARY SHEET

>

>

> Contest Dates : 01-Nov-97, 02-Nov-97, 03-Nov-97

>

>

> Callsign Used : VE7CQK

> Operator : VE7CQK

>

> Category : QRP

>

> Default Exchange : A 66 BC

>

>

> BAND Raw QS0s Valid QS0s Points Mults


```

> -----
>
>      80CW      9      9      18      4
>      40CW      60     60     120     27
>      20CW      57     57     114     17
>      15CW      24     24      48     12
> -----
>
> Totals      150      150      300      60
>
>
>      Final Score = 18000 points.
>
>
>
> --
> FAQ on WWW:      http://www.contesting.com/3830faq.html
> Submissions:      3830@contesting.com
> Administrative requests: 3830-REQUEST@contesting.com
> Problems:      owner-3830@contesting.com
>

```

```

-----

Date: Sun, 02 Nov 1997 22:37:10 -0800
From: Jerry Parker <jparker@fix.net>
To: qrp-l@Lehigh.EDU
Subject: [30148] NorCal's November Meeting
Message-ID: <2.2.32.19971103063710.00b48734@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

```

Up early and loaded the ole truck for the three

hour plus trek to the NorCal Meeting.

Now lets see, hope I got everything this time. Yep looks like it.

Very nice drive up Highway 101 to San Jose then over 680 to Pleasanton.

Arrived about 10:30 and the California Burger was already alive
with talk of radios and such things.

It seems that once again another classic NorCal Meeting was underway.
Everyone casually enjoying themselves, some staying at a table and
others wandering from table to table looking at gear etc. and

talking with friends.

Many of the names you see and hear of were there too, Doug, Jim, Mike, Ori, John, Debra, Bob, David and more. Some arrived as others finished their stay.

What a GREAT time!

Jeff Grudin AC6KW was there with his finished NorCal Paddle and what a beauty it is too. Jeff says he finished the Paddle with jewelers rouge and a buffing wheel on a handy grinder. Absolutely gorgeous.

Vic Black was there also and picked up the "Secret Handshake" (NorCal T Shirt).

David Maliniak N2SMH of the New Jersey QRP Club returned for his second consecutive visit to the NorCal Club Meeting.

Pat Cahill N0ADQ came all the way from Rochester, Minnesota to make his first NorCal Meeting. Pat was later seen checking in with Jim Cates, WA6GER the NorCal master of the funds. Pat, left Jim's table with a smile knowing that QRPp will soon be coming his way.

N6MSQ was showing off his Paddle made out of a plug, very nice too.

Verne Wright W6MMA, famous for the MMA Mod to the St Louis Vertical was there featuring a 38 Special, a set of paddles made out of a set of contacts mounted on two suction cups and a nicely done NorCal Paddle.

James Bennet KA5DVS and wife Kathy made the meeting too. Get this, all the way from "New Jersey"! Unconfirmed rumors have it that Doug Hendricks has been talking to them about joining the California Team and they are staying in California! Good job Doug!

Everywhere I looked, groups of people having a great time.

W8FLL David Stoddard brought his 38 Special with real nice large panel mount meter. His meter was set up on the VX0 to read the voltage and act as a frequency readout. Very Nice! David also had his highly modified Cascade on hand for viewing.

Always a pleasure to see, Sam KF6ML was on hand from Southern California. Sam brought his entries from Pacificon, a Tick Keyer with home brew paddle, a small paddle and a MX40 and Micronaut mounted in a box. Sam also brought some goodies with him and was passing parts out to everyone.

I did notice Doug Hendricks duck out and open the trunk of his car. Seems he kitted a bunch of NorCal Paddles and the transfer from his car to Verne Wrights truck for the trip to Jim Cates place to fill orders was underway.

Kit WA6PWW and Debra KG6UI were on hand with their initial "Pixie Delux Kits". They made a few available for building and feedback. Debra won 3rd in the building contest at Pacificon with her Pixie Delux. She says if all goes well she and Kit may be making this fine and simple rig available as a kit. It includes a filter in the audio chain and a audio amp to drive a speaker as well as changes in the RF output circuitry.

Leo Stanford KM6LA was on hand with all kinds of goodies, toroids, connectors etc. Leo is always bringing the latest deal he has found and making it available to those at the meeting.

Ori Mizrohi Shalom AC6AN, designer of the 38 Special was on hand, wearing a 38 Special T Shirt of course. Seems there is something in the works for the 38 Special, stay tuned. If you are guessing, NorCal is not going to kit any more 38 Specials.

I wandered out to the parking lot to put my camera away and there was Verne Wright W6MMA again. He and Jeff Grudin AC6KW were finishing setting up his St. Louis Vertical with his famous MMA Mod. Verne had the new St. Louis Radials featured in the latest QRPP attached too.

Seems everyone had a great time. I know I always do.

I will have pictures up with this description posted shortly on the NorCal Page.

Enjoy,,,72,,,Jerry...WA6OWR...K

Date: Mon, 03 Nov 1997 07:18:52 -0800
From: Dave Fifield <fifield@pacbell.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [30149] Design and PCB Layout Tools / Sweepstakes (Two Topic Email)

Message-ID: <345DEB5C.7A65@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

FYI, I used the Protel EasyTrax "Easyedit" program to lay out the 38S board. This is FREE and is NOT crippled. It's just Protel's old DOS program that they now use as a "loss leader" to get you to use their super-duper new Win95 version (which costs money of course!).

You can download this right off the web.
Start at <http://www.protel.com>

Also, I use a FREE version of a spice program by Spectrum Software called Microcap V version 1.2 - it's the demo version, but works perfectly for the limited component types and circuit configurations that we use.....and the 2N2222 is already there as one of the models! Someone may have mentioned this one before. I believe you can start at <http://www.spectrumsoft.com>

Hint for those people designing IF amps and audio amps with 2N2222's - have a look at the circuit diagram of an old a.m. transistor radio.....if you can find one! (Don't ask me, I don't have any...but I'd like a copy of one...)

OBQRP: I worked a whole bunch of stations that sent a "Q" for precedence in the 'SS contest this weekend. You guys have guts! I promised our local contest club a high score to make sure we win back the club gavel this year, so I had to run QRO (sorry!). In the end I only got 71 of the 79 sections and around 300 Q's (okay, okay, I know I could've done that using QRP - bite me, but don't flame me).

Here are the QRP calls I worked. Most of them surprised me with the Q precedence since they were so loud, but some I had to "dig" a bit for - it was worth it. Thanks guys:

AE6Q W0UN KE0Z N7IR N7CQR W7QC K5WO AB7TK KK6MC WA20CG/7
N7ML W6IO WZ8P WA2MNO W0OR (that's WzeroOR) N5TJ

Also interesting was the fact that for about a half hour, I myself inadvertently ran QRP after I'd done some antenna swapping/tuning up and gotten distracted. Looking at the log, you could not tell which half hour of the contest this was. Very enlightening eh?

72, Dave Fifield, AD6AY

Date: Mon, 3 Nov 1997 08:18:21 +0100
From: David.Reid@asml.nl (David Reid)
To: qrp-1@Lehigh.EDU
Subject: [30149] Re: How do I protect my HB projects with a diode??
Message-ID: <199711030718.IAA18377@wspub002.asml.nl>

If you want complete protection - fit a bridge rectifier to the input.
Then it won't matter which way you plug it in.

(DC or AC or whatever... as others have said you lose a bit of volts though...)

73 es GL

Dave Reid
PA3HBB / G0BZF

(published again in RadCom Nov.1997 issue - portable 6M beam, check it out)
email: david.reid@asml.nl
www: <http://ourworld.compuserve.com/homepages/DRCP/homepage.htm>
alt email: DRCP@compuserve.com

Owner and operator of D.R.Computer Products - makers of the Micro-Kit range.
..

Date: Tue, 04 Nov 1997 00:16:34 -0800
From: Bill Todd <bill@techline.com>
To: rob3ert@vegas.infi.net
Cc: qrp-1@Lehigh.EDU
Subject: [30150] re. 10 Meter CB/CW thoughts
Message-ID: <1.5.4.32.19971104081634.006f83d4@mail.techline.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Bob Parks wrote:

"Gang,

I have a suggestion. Because we feel so strongly about CW, shouldn't we make
IT the prize, instead of a "chore"?

How about a new class of license, phone only, not allowed on the CW portions

of the bands. The calls would have an added "P" in them; e.g. WP8ZZZ, KP7XXX, NP6XXX."

Not a bad idea Bob -

Except for one thing. The FCC had demonstrated a very "lax" record in enforcing the present rules. You can bet if the FCC allows this special class of license to operate on only certain band segments, that fairly soon a group of folks would say "to heck with the rules", and begin operating wherever they wish.

If you happen to listn to the idiots on 3.901 (SSB) in the evenings, you will quickly grasp what current FCC enforcement of the rules means. Those turkeys have been swearing and jamming each others' signals for many years.

The only time you EVER hear about the FCC cracking down on illegal operations is when someone does it on a popular 2 meter repeater...or is stupid enough to try to jam police or military radio freqs. The FCC has demonstrated that they could care less about HF enforcement.

CUL, Bill-N7MFB

Date: Mon, 03 Nov 1997 01:56:14 -0700
From: AE0Q V31RY <v31ry@ix.netcom.com>
To: qrp-1@Lehigh.EDU
Subject: [30151] QRP CW SS Score
Message-ID: <2.2.16.19971103085614.21d7ae76@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Had hoped to do better, but my SS score is:

BAND	QSOs	Points	Mults
80CW	22	44	5
40CW	70	140	9
20CW	351	702	20
15CW	175	350	37

Totals 618 1236 71 = 87,756 points

Rig: 5w Argo-556/Carolina Windom/laptop with TRLog.

QTH: wind-blown, freezing hill in Wyoming.

Excuses: I almost froze to death Saturday when the camper furnace crapped out.. I quit at 10pm when the temp INSIDE the camper was down to 25 degF, and climbed in the sleeping bag which had been wrapped around me when I was operating.. Laptop was still working, though..

Then Sunday the stupid furnace started working at full output again and it was more comfortable, but got frostbitten face taking down the antenna and ropes in the dark and snow and 50 mph winds at 8200 ft!!

Barely made it out in the dark after the contest, what with the drifting snow and frozen ruts.. Had to use low-range 4x4 to get the 4 miles to the paved highway..

Is this supposed to be FUN????!!

Thanks for all the QSO's with calls that I recognize from the QRP-L!

P.S. I've gotten a bunch of QSL requests for the ARCI QSO Party and ran out of cards for the Wyoming contacts. I'll get more printed this week, they'll be in the mail soon!!

73 -- Glenn

Another month ends... All targets met, all systems working, all customers satisfied, all staff eager and enthusiastic. All pigs fed and ready to fly.

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com --SOWP 5558-M, QCWA LM, ARRL LM, NCVA--
<http://www.qsl.net/ae0q>

Date: Mon, 03 Nov 1997 06:03:01 -0500
From: mikemo@ibm.net
To: bill@techline.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30152] Re: re. 10 Meter CB/CW thoughts

Message-ID: <345DAF65.1232@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill Todd wrote:

> The only time you EVER hear about the FCC cracking down on illegal
> operations is when someone does it on a popular 2 meter repeater...or

They don't care about 2 meters either. If you look at the FCC FAQ, they say to contact the ARRL. They also don't care. Their only statement was "don't try to find him yourself, you will get sued and lose". Strange, Huh?

72 de kf4trd
Mike Maiorana

Date: 03 Nov 1997 11:10:24 +0000
From: Dave.Ackrill@LotusXchgPG.powergen.co.uk
To: qrp-l@Lehigh.EDU
Subject: [30152] 2 element beam reversal
Message-ID: <971103111024Z*/G=Dave/S=Ackrill/O=LotusXchgPG/PRMD=POWERGEN/ADMD=CWMAIL/C=GB/@MHS>

Another reference source for ideas on reversible beams is HF Antennas for all Locations by L A Moxon (G6XN), published by the RSGB, pages 77 to 78. This method uses a switch, inductor and a pair of capacitors. Front to back ratios (not to be confused with gain!) of between 25-30dB are said to be achievable. Good F/B ratios can be more useful than straight gain in some instances.

In fact, the whole of Chapter 5, Close-spaced beams, would interest anyone wanting to put up a 2 element yagi for the HF bands. The "typical" gain of amateur beams is given as being between 4 to 6dB relative to a dipole and there are warnings about over optimistic gain figures given with some designs.

Hope this helps anyone wanting to try one of these antennas. My copy is on loan from my Radio Club, but it is usually available from libraries and can often be 'ordered' from a main library if it isn't in your local library.

72 de Dave (G0DJJA)

dave.ackrill@pgen.com

Date: 03 Nov 1997 11:10:54 +0000
From: Dave.Ackrill@LotusXchgPG.powergen.co.uk
To: qrp-1@Lehigh.EDU
Subject: [30153] Web site not recognised
Message-ID: <971103111054Z*/G=Dave/S=Ackrill/O=LotusXchgPG/PRMD=POWERGEN/
ADMD=CWMAIL/C=GB/@MHS>

To try and figure out what design for the 2 element yagi was being suggested, I tried to look at the following URL during a brief lunch break at the office but it could not be found. Now, I didn't have much time to waste so I gave up after two attempts. Anyone any idea if the site is still OK please?

Thanks - Dave (G0DJA)
dave.ackrill@pgen.com

URL used was - <http://funnelweb.utcc.utk.edu/~cebik/radio.html>

The error message said that it could not find "funnelweb.utcc.utk.edu"

Date: Mon, 03 Nov 1997 06:58:02 EST
From: k5zty@juno.com
To: qrp-1@Lehigh.EDU
Subject: [30154] CW Sweepstakes
Message-ID: <19971103.115501.5463.0.k5zty@juno.com>

Well, I didn't get to work as much of the contest as I would have liked to. Between interruptions, I got to work 15 hours of it. I didn't try to work all that I heard, I was looking for the mults mostly. It gets monotonous logging all those CA stations. There must be 10,000 stations in LAX, SCV, SJV, SDG, SV, etc.. I made 154 Qs with 67 of the sections. About the time I had AK in my sights, my Mother called on the phone and I missed him. (I've heard that somewhere before.) Never heard another AK. The sections that I missed were all in the north. DE, NNY (I don't think anyone lives in NNY), ME, NL, NWT, AK, etc.. Had no trouble working PAC, VI, PR, several times

I heard K5FO flitting around all day working 'em by the numbers but I could never get him to light long enough to work him myself. I found AE0Q holding down a frequency on 15 meters and worked him. Good signal

Glenn. Also worked K7MM/qrp, N7ML/qrp, N0FW/qrp, big signal Dan, N4ROA/qrp, and W6JTI/qrp, I heard several other Q stations but didn't get to catch them.

Fun contest. Next year I'm gonna take my radio to some isolated spot where I won't be interrupted and work the whole 24 hours and get a QRP Sweep. I need a new coffee cup.

72,

Bill

NR 01 Q K5ZTY 60 STX

dit dit

Date: Mon, 03 Nov 1997 14:07:20 +0200
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: mikemo@ibm.net, QRP-L <QRP-L@Lehigh.EDU>
Subject: [30155] Re: re. 10 Meter CB/CW thoughts
Message-ID: <345DBE78.23B6@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

mikemo@ibm.net wrote:

>

> Bill Todd wrote:

>

> > The only time you EVER hear about the FCC cracking down on illegal
> > operations is when someone does it on a popular 2 meter repeater...or

>

> They don't care about 2 meters either. If you look at the FCC FAQ, they
> say to contact the ARRL. They also don't care. Their only statement was
> "don't try to find him yourself, you will get sued and lose". Strange,

Could somebody elaborate on that bit about tracking somebody that breaks the law, the tracker getting sued for it and then loose as a matter of course!?

Interesting application of justice, but hard to understand

73, oh2zaz

--

Arjen Raateland
Finnish Environment Institute
SAS Support
phone +358 9 4030 0457

Date: Mon, 03 Nov 1997 08:38:44 -0800
From: "Len W. Tough" <len@infinet.com>
To: CW@QTH.NET
Cc: qrp-1@Lehigh.EDU
Subject: [30156] Coax VS Ladder Line feed = and a problem
Message-ID: <3.0.2.32.19971103083844.0069c828@infinet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello Ladies and Gents

I have a slight problem, perhaps you could help me with.

I currently run coax to all my antennas and they are buried underground directly until I get them to the mast of the antenna they are feeding.

I have had no failures, except for my Fritzel windom that fails once per six months because I use a very tall tree to support the center of the antenna, and I do not have a ladder tall enough to bind the coax to the tree at height, so the coax beats against the tree in the wind until the outer jacket wears, and then moisture enters and the rest is history. New Coax feed is run. I guess I need to develop some sort of stand-off. Any Ideas?

Most Importantly = Anyone out there ever run ladder line underground for antenna feeding? I would assume that pvc conduit is the order of the day with this stuff?

Thanks in advance.

73

W8VQ
Len Tough
len@infinet.com
W8VQ@key.com

Web Site <http://www.infinet.com/~len> Home of the Columbus QRP Club

All Digital Ops - CW, HF Digital Modes, Packet
What does a Microphone look like? And, what do you use it for?

Date: Mon, 3 Nov 1997 08:29:38 est
From: k4wz@juno.com (RON L TODD)
To: qrp-l@Lehigh.EDU, cw@qsl.net
Subject: [30157] SS
Message-ID: <19971103.084204.11383.28.K4WZ@juno.com>

HAD FUN, Could not spend the time I wanted, Worked 2 mornings at the HamFest in Atlanta.

BAND	QSO	QSO PT	SEC
160	0		0
80	23		46
40	55		110
20	56		112
15	26		52
10	6		12

TOTALS	166	332	70

DID NOT make my goal but Had fun
RON K4WZ, MIKE AF4FF, MATT AF4FE, BETH KU4JG
FISTS # 2109, #3534 #3533
PO BOX 885, FOREST PARK, GA. 30298
K4WZ, EX WA4EPC, KE4RZR, AE4LQ
QUIT YOUR YAPPING, JUST START TAPPING !

Date: Mon, 3 Nov 1997 09:57:17 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Cc: eax@w3eax.umd.edu, Laurel ARC <larc-l@webtrek.com>, CollegeClubs <ham-univ@w6yx.stanford.edu>
Subject: [30158] W3EAX/NF3I sweepstakes report
Message-ID: <Pine.LNX.3.95.971103090528.27714D-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The stakes are high, and we were going to give QRP a shot. The college club competition doesn't discriminate between B, A, and Q power levels, but we wanted to try "Q."

However, the "big" antenna never got up pending approval of an "official" monster antenna. Wouldn't want to upset anyone prior to that...it should be approved and installed by the time Sweepstakes phone contest comes in two weeks.

Anyway, given that all we had on 40 & 80 was a 22' high trapped vertical, we decided to go class "A," running about 80 watts. We were on at 2130, 5.5 hours of breaks, off at 0300z Monday. Total air time - 24 hours.

I brought my IC-751 as the club's IC-736 blew a preamp. Of course, as I soon remembered, preamps and Sweepstakes are mutually exclusive things. After 16 hours with the 751, we swapped the 736 back in its place as I would have to take the 751 home anyway.

Logging

"The computer was wiped clean of Linux."

"I've got TR-Log on this diskette."

"Why won't this boot up?"

"Did you bring DOS?"

"Huh? It doesn't have DOS on it?"

Thus we logged on paper. With a memory keyer sending CQ, paper duping isn't really very bad.

Operator

NF3I, who sent a fair number of errors via the paddles. He MUST clean up his sending else become thought of as a lid.

Duping/Moral Support

Seeing as how 35 wpm isn't copiable by most, logging/duping, even if "officially" done by another person, is really done by the operator or someone able to copy equally as well. At any rate, three people granted me moral support and penmanship:

Nico, KF4UNA, licensed as a tech plus for one day (5 wpm), and experiencing a 3-hour trial by fire with a crazed lunatic shouting callsigns at him.

Jon, KD3FG, good at 15 wpm, who sat with me for 12 hours egging me on, having dinner with me, sending CQ while I left the rig to go to the bathroom (obeying the privs of his Advanced class license).

Dan, N3UBM, who knows a little code, and didn't hold out too long.

Food

Bananas, OJ, Sunbelt chewy granola bars (at least five, plus whatever I'd eaten just prior to SS), and a delicious Sunday night Vegetable Hunan meal from China Cafe. The tofu was excellent.

Sleep

Sleep in a strange place? naah. Fell asleep at 1:30 a.m. at the radio - that's familiar enough. Figured that was a good time to "officially" sleep. Slept in a desk chair, up at 5:00 and had 80m for breakfast.

Operation

Total contacts (unverified) - 542, besting last years' total by 30.
Total sections - 75

Score - 81,300, an improvement of 10.7%!

(last year was 510, 72, 73440)

We understandably missed Alaska, Yukon/NWT, the Maritimes.

We also somehow missed

Nebraska

We must've worked 20 people in each of MO, MN, and IA, plus KS, SD, CO, WY, and MT.

Did everyone leave Nebraska for the weekend?

The football game was over Saturday afternoon!

NOTABLE & QRP

The following were stations we were embarrassed to work.

AE0Q N5RZ N3GM KA10 N0UR W5TFB K3CR AD8J W6YAQ N5TJ K1TR K5SL

Why? They were all QRP, and each was AHEAD of us :)

At 2300z Sunday, K1TR NH was at 721

At 2100z Sunday, N5TJ NTX was at 925

There were a LOT of good QRP scores out there. We logged 27 QRP stations

of our 542 in the log, for almost exactly 5%.

MOST EXCITING INSTANT

When Scully passed out during her briefing as she was about to cook some REALLY bad person's goose.

2nd MOST EXCITING INSTANT

With 90 minutes to go, FINALLY hearing someone from Maine, SLLL000000Wing down to 10 wpm, and making the QSO (worth about 1000 points!!!).

DEEPEST IMPRESSIONS LEFT

- 1) 80m all night. One signal every 300 Hz! Really.
- 2) Ham radio is truly a bunch of skilled operators.
I feel honored to be a part of it.

See y'all during phone!

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 80 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* Charter member, Maryland Milliowatters * W3-VK on 3w mobile CW *
*** 301-549-1022 h / 301-982-1015 w ** Life is one big hamfest ***

Date: Mon, 3 Nov 97 09:12:38 EST
From: Bill Acito 03-Nov-1997 0903 <acito@asdg.ENABLE.dec.com>
To: -qrp@us1RMC.bb.dec.com
Cc: acito@asdg.ENABLE.dec.com
Subject: [30159] SS CW: W1PA/QRP summary
Message-ID: <9711031412.AA23268@us1rmc.bb.dec.com>

Haven't seen anyone else's since my www port is down (I read via the archive), but here is my summary. Set a goal to get the pin, and this took about 8 hours; 6 Saturday night, 2 Sunday morning. Rig: Corsair II at 5 watts, Gap Titan, CT to log.

QSO's of note: N4BP, W4PA (Scott Robbins of Ten Tec), and SD on my third Q. Pure search and pounce, did not work any other QRP stations.

ARRL SWEEPSTAKES 1997
CALL: W1PA/QRP COUNTRY:

MODE: CW

CLASS: S0

BAND	QSO	QSO PTS	SECTIONS
160	0	0	0
80	35	70	20
40	51	102	10
20	24	48	17
15	2	4	0
10	0	0	0
=====			
Totals	112	224	47 => 10,528

32 states worked, plus PR

. - I own my own words -
Bill Acito acito@asdg.enet.dec.com
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA
(sale pending)

W1PA qrp-ne qrp-l adv-rs arci norcal amsat-na arrl-life

Date: Mon, 03 Nov 1997 10:55:15 -0800
From: Jim <kw3u@warwick.net>
To: qrp-l@Lehigh.EDU
Subject: [30160] SS 97
Message-ID: <345E1E13.2E12@warwick.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi all;

Another fine SS with the added propagation this year.
Wow 15 open, is it possible that all the ca and ntx class
B stns did something to the F layer? As WORSP mentioned
I too was amazed at all the qro stns picking me out and
spending some time to get exchange correct, my hat (if I
wore one) is off to them.

Only worked one Q, probably because they found it hard to
hold a freq HI-HI.

Only complaint - people with all dits in their calls shudn't
send at 40 wpm(luckely I have a 2 speed cassette rcdr for these
occurrences).

Got my goal of over 100 for the pin(my annual quest since it started)
and my only justification to xyl for this ("It's gonna become a

rare collector item and pay for our retirement").

Big Bonus, I worked the missing 4 states for QRP WAS. Tnx Mt,NV,
AL,DE.

72 Jim KW3U

Date: Mon, 03 Nov 1997 15:07:06 -0800
From: Ken LaRose <kenlar@csolve.net>
To: qrp-1@Lehigh.EDU
Subject: [30161] Re: FOX SKUNKED! NEWS AT ELEVEN
Message-ID: <345E591A.C73@csolve.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ARDUJENSKI@aol.com wrote:

>
> Well hounds, where the heck were you!
> Anybody out
> there even hear me?
>
> KB7MBI (Alan)

I tuned up & down for the first half hour, but only heard 4s, 5s, etc.
Looked from 7100-7150, concentrating around 7120, but no fox. So got
into the Frankenstein movie on TV, but kept checking for you during each
commercial break (every 10 min. or so) until 0400. The BC stations were
everywhere, & I could also hear that buzzing noise. Usually you have a
pretty decent signal here, but the prop was no good for us last nite!

Look for you again next week Alan.

73, de Ken VE3ELA

Date: Mon, 03 Nov 1997 09:24:54 -0600
From: Jim <kj5tf@mctc.com>
To: qrp-1@Lehigh.EDU
Subject: [30162] AR QRP 75/40M nets
Message-ID: <345DECC6.5511@mctc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Weve had a time change and I want to post a reminder about the Arkansas club nets.

The 75M net meets on 3.560Mhz at 7:30PM central time monday evenings, or 01:30 UTC tuesdays.

the 40M net meets tuesday evenings at 7:30PM central time, thats also 01:30 UTC wednesdays.

The 75M net works great for local checkins, and the 40M net gets most of the country, but misses many of the locals. So together they cover most of the members.

Join the fun, cul, de Jim AR QRP #2

Date: Mon, 3 Nov 1997 09:27:59 +0000
From: "Paulette Quick, WB9VHF" <plquick@facstaff.wisc.edu>
To: qrp-1@Lehigh.EDU
Subject: [30163] How do you get antenna in the air?
Message-ID: <v03007800b08348838d5d@[144.92.104.132]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Embarrassing question:

Yesterday afternoon I was trying to get my antenna installed. A female friend lent me her slingshot and some fishing sinkers. There was an orange sticker on the slingshot saying it was dangerous up to 235 yards. Well, in my hands it was dangerous up to 20 feet! I just could not get that thing to fire the sinker (and thin nylon cord) up to the high tree branches. Maybe it's just a matter of not having sufficient upper body strength (which obviously didn't affect my female friend, who is under 5 ft. tall). However, I would like to know from the group how you get wire antennas way high into the branches.

Paulette Quick, WB9VHF
Madison WI
(suffering ditdah withdrawl)

Date: Mon, 3 Nov 1997 10:04:55 -0600
From: "Kevin Muenzler - WB5RUE" <wb5rue@stic.net>
To: <plquick@facstaff.wisc.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [30164] Re: How do you get antenna in the air?
Message-ID: <01bce872\$3a274860\$d8016f81@muenzlerk.uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, being a "manly man" I use a fishing pole and a heavy lead weight. You might try this with you sling. Use a two or three ounce weight and some 20lb test line. The line is very light and shouldn't slow the weight down in its flight through the trees. It is also pretty easy to break if the weight gets caught on something and is smooth enough that the line itself won't get caught on anything.

Kevin, WB5RUE

-----Original Message-----

From: Paulette Quick, WB9VHF <plquick@facstaff.wisc.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Monday, November 03, 1997 9:31 AM
Subject: How do you get antenna in the air?

>Embarrassing question:

>

>Yesterday afternoon I was trying to get my antenna installed. A female
>friend lent me her slingshot and some fishing sinkers. There was an orange
>sticker on the slingshot saying it was dangerous up to 235 yards. Well, in
>my hands it was dangerous up to 20 feet! I just could not get that thing
>to fire the sinker (and thin nylon cord) up to the high tree branches.
>Maybe it's just a matter of not having sufficient upper body strength
>(which obviously didn't affect my female friend, who is under 5 ft. tall).
>However, I would like to know from the group how you get wire antennas way
>high into the branches.

>

>Paulette Quick, WB9VHF
>Madison WI
>(suffering ditdah withdrawl)

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Date: Mon, 03 Nov 1997 10:58:58
From: Steven Weber <kd1jv@moose.ncia.net>
To: bachmann@ari.net
Cc: qrp-1@Lehigh.EDU
Subject: [30165] Re: NorCal 2222 Design Notes: Mixers
Message-ID: <3.0.1.16.19971103105858.22bf417e@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:56 PM 11/2/97 -0500, you wrote:

>Terminating the double balanced mixer into the IF properly for all frequencies seems like a problem. Could one terminate the IF output of the mixer into a low resistance and use a high input impedance amp (maybe a darlington pair voltage follower) to bridge into the IF filter and amp? [snip]

Athough a diplexer on the output of the DBDB is best, being lazy, I just hang a 51 ohm resistor on the end. Actually, all three ports should *see* 50 ohms.

As long as the IF side is driving an input impedance of 10 to 20 times the 50 ohms, you should be alright. You should also have at least some selectivity (If transformer-xtal filter) between the IF port and any high gain IF amp. Otherwise, you will be amplifying all the mixer products and not just the one you want.

72N2,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Mon, 3 Nov 1997 09:28:15 -0700 (MST)
From: flydnq7x@primenet.com (Floyd Smithberg)
To: qrp-1@Lehigh.EDU
Subject: [30166] SS Report NQ7X
Message-ID: <199711031628.JAA03784@usr01.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Didn't get started 'til 7pm Sat and gave up by 5pm Sun...12.5 hrs...at first didn't appear I'd get a pin this year but hung in long enuf to get it and quit. Not a dedicated

masochist! Used S&P exclusively so didn't run into many QRPers...only 3 including the aluminum King, KU7Y. Never did get TR working correctly(1st time in SS) so used combination of TR (what logcfg did you use Ron?), CMOSIII and paper notes. Speed used...23-26, seemed reasonable but not as fast as many op's were using. Best single hour S&P was the last hour 23 after I gave up hunting for new sections. Was able to copy most without TNC assist used last year. Worked two AK and PACs also VI and PR...even picked up BV4PM and JR1DNH who tail ended and called me after the BV on 15M.

Equip: TS850, 400Hz filters, NIR 12 and HB tunable SCAF.
Pentium, TR Log, CMOSIII, Envirotronics paddles
3 El TriBand Explorer @ 45' and 33' vertical

Band	Qs	Pts	Mults
40	19	38	17
20	26	52	11
15	77	154	27
10	9	18	5

	131	262	60

= 15,720 score

Not a barn burner score but good enuf for this little pistol to get a pin...and work a bunch of GOOD operators. Tnx All! :-)

73 Floyd NQ7X Phoenix ScQRPion DM33uq QRP-L 343
ARRL ARCI G-QRP NORCAL DX WRKD HF=324 SAT=101 QRP=103

Date: Mon, 3 Nov 1997 16:33:54 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: kd1jv@moose.ncia.net
Cc: qrp-l@Lehigh.EDU
Subject: [30166] Re: 2N2 project (2)
Message-ID: <199711031633.QAA15172@chuck.dallas.sgi.com>

Steve,

I had that low noise circuit earmarked as a must do for this contest. I'm sure the group is all ears for all or any of your comments.

Looks like there are a bunch of on the same track. I'm hope there is not a train coming from the other direction.

: -)

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>

Date: Mon, 3 Nov 1997 10:53:49 -0500
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "qrpforum" <qrp-1@Lehigh.EDU>
Subject: [30167] SS - Report - long and boring
Message-ID: <199711031635.LAA24047@mailhost.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Well, gang, I guess I'm just not cut out to be a competitor.

Had big plans for the ARRL Sweepstakes.

-- But, I put up my 40M phased verticals. 16 radials each and wet ground! Oh, Boy! This time of day, I really ought to be on 15M or at least 20M, but let's run a little test and see how they're doing. Quite well, compared to my super Horizontal loop, but not outstanding -- just different. Strong signals. KH6NB and the PAC region is in the bag! After a couple of hours of fooling around, search and pounce, I still can't decide which is better. The band is changing as gray line propagation takes over, so I just stay on 40M, tweeking dials and working one every 5 or ten minutes.

It's late, I go to bed and get up at 4 AM. 80M time, but how's 40? Again, I fool with the phasing dials, and work a few more on 40M.

Morning. I really should go for the higher bands. Well, 15M is wide open and 10M has tell tale bursts of SSB coming through! Plug the 15M module in my Sierra and the meter shows a whopping 500mW. Tune the modules quickly and get it up to something over 800 mW, tops. Well, let's see what happens. Search, pounce and I'm working every one I try! Hey, this is fun! Work my way across the band carefully. There are **strong** signals here. I suspect that the strong signals are masking some of the weaker ones I'd like to work.

Good heavens! It's afternoon. Didn't even try 80M last night. Haven't been on 20M because it's so much fun working all of these guys on 15M with less than a watt.

Switch to 20M where I can put a full 5 watts into the loop. Search and pounce and pick up a few more Sections. There's that guy from Utah again. He still doesn't hear me. I bet I wasted 30 minutes on him on at least two bands. The W6 calls are coming in, but they seem to be working each other. It takes five or ten minutes to snag one.

Well, it's supper time, I've spent a lot of time, but not used it wisely - I'm done.

Final tally, 127 contacts (a little over half of last year), 52 sections, score 13,208. (but, if I'm lucky, KH6NB will be in Hawaii, and I'll have completed WAS.)

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Probably, but not nececelery. -- Benny Hill

Date: Mon, 3 Nov 1997 11:39:38 -0500 (EST)
From: SNickrand@aol.com
To: qrp-1@Lehigh.EDU
Subject: [30167] World Map Location Finder?????
Message-ID: <971103113919_242869249@emout09.mail.aol.com>

Anyone know the URL for a program that showed the world map, then by clicking on a point on the map, it zoomed in on the area, giving more detail? Had I bookmarked but lost it somehow. Thanks in advance! 73's Bill Nickrand

Date: Mon, 03 Nov 1997 09:45:16 -0700
From: Tim Pettibone <tpettibo@nmsu.edu>
To: qrp-1@Lehigh.EDU
Subject: [30168] Sweepstakes
Message-ID: <3.0.2.32.19971103094516.0069a1a0@cnmailsvr.nmsu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hmmm, only was able to work 51 Qs and 35 sections or so. Nothing like my 200+, 71 sections last year. Was a busy weekend otherwise so had to settle for snagging the CY0DX on 40m last night after the testers went to bed! Anybody got QSL info on him?

Tim K5OI
Las Cruces, NM

Date: Mon, 3 Nov 1997 16:42:51 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [30168] Sunspots
Message-ID: <199711031642.QAA15342@chuck.dallas.sgi.com>

Here is some data agian.

IV. PENTICTON 10.7 CM FLUX
OBSERVED 02 NOV 098
PREDICTED 03 NOV-05 NOV 100/102/103
90 DAY MEAN 02 NOV 088

K5FO/7
Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>

Date: Mon, 3 Nov 1997 09:17:06 -0700 (MST)
From: bcutter@teal.csn.net (Bob Cutter)
To: qrp-1@Lehigh.EDU
Subject: [30169] SST SS
Message-ID: <199711031617.JAA04147@ns-1.csn.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I gave my 20M SST a real shakedown in SS, not a long period and only 50 or so Q's, but I am again just amazed at the performance in a crowded environment. Truly a fine rig.

72, Bob KI0G

Date: Mon, 3 Nov 1997 09:57:43 -0700
From: ji3m@maxwell.com (James R. Duffey)

To: qrp-1@Lehigh.EDU
Subject: [30170] Sweepstakes and the Dufficrafters SR-2222
Message-ID: <v02130501b083a2af88a3@[192.31.66.158]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

All - The alarm came on too early this morning. I spent the weekend on Seepstakes and an old man like me can't get by on 6 hours of sleep a weekend any more. I used too, but no longer.

I had a good SS, at least compared to last year. I need to go over the logs a final time, but it looks like about 350 contacts in 67 sections. Last year I did 215 in 62 sections. I had hoped to beat Tim K50I last year and challenged him. He beat me with 222 contacts in 68 sections. My strategy in beating him this year was not to challenge him publicly like I did last year:>).

I was going to do a big push on SS this year, but I failed to take my own advice and prepare early. Due to various traveling and family commitments I failed to properly prepare for SS. So I didn't get my Northwest killer LP up, I didn't get a decent 80 M antenna up, I didn't get the narrow CW filters ordered, I didn't get my code speed up, and I didn't get contest software ordered and installed. Wait until next year!! Or maybe the 10M contest in December??

I did do some antenna work on Saturday morning turning my AOG antenna back into a servicable delta loop once again. The UV at this altitude wreaks havoc on wire insulation and feedline spreaders.

I worked a lot of "Qs" including many members of this list. There seemed to be more on than in previous years. I kept track of those I worked and will post a list later. I worked K5F0 who had a modest signal in here on 20M and was running stations which is difficult on 20M in general and hard on QRP in particular. N4BP, who has provided us with a lot of fun (remember the FYB0 portable operation at 1000 ft on the TV tower?) and QSOs on QRP outings was on in class B though. I guess what a man does in the privacy of his own home is none of our business, but really, linears ???? :>).

Among the highlights was working W0SD's station, who used to be WA0CPX, who taught the code portion of my Novice class years ago when he was a student at South Dakota State University and I was a sophomore in Brookings High School.

Once again I missed the West Texas Section (how about a DXpedition there next year for SS Chuck??). The others I missed were pretty much the expected difficult sections. I got on early Sunday before sunrise to work PR and VI, it worked, and the far east Canadian provinces (didn't work). I looked for AK and NWT at sunset both days, but was skunked. I did go to

about 2300Z Sunday without a Nebraska station though!!

More to follow when I scrub the logs. This is the last year for a paper contest for me though.

Manadatory 2N2222 posting;

I guess I started a landslide of mail when I said that I wished double balanced mixers were forbidden in the 2222 contest, although I realized at the time it applied only to the prepackaged ones. I should have been clearer. I realize the alternatives and will utilize one of them. The prepackaged mixers are the easiest way to get good strong signal performance if you can stand the oscillator power required . It will be difficult to make a passive mixer that has performance equalling the commercial ones though as was demonstrated by a PA0 in a late 70s Ham Radio article. Also, I am not sure how to adjust the balance in a singly or doubly balanced active mixer. Does anyone have experience here?? This will be a learning experience won't it? I am still doing teh research and design work, my strong point. The stuff I build is often lacking in some of the niceties of the better builders in the group. (Like working the first time it is powered up, or working at all for that matter!)

More to follow when the Dufficrafters SR-2222 is closer to reality.

- Duffey KK6MC/5

James R. Duffey (505) 764-3143
Principal Scientist (505) 843-7995 (FAX)
Maxwell Technologies Inc/Albuquerque Division
Suite 300
2501 Yale Blvd SE
Albuquerque, NM 87106

Date: Mon, 3 Nov 1997 16:57:20 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Cc: d1-46@chuck.dallas.sgi.com
Subject: [30171] SS 97
Message-ID: <199711031657.QAA15545@chuck.dallas.sgi.com>

Gang,

Looks like everyone in the world beat me like a rug.

My last tally shows 80,100 Points with 75 sections.

Bad new, we all got beat by N5TJ (he won last year in A-class as KR0Y) Jeff at 1071 Qs or so at 169K + points!! A New world record in SS QRP class. That is why the QR0 guys are good and can hear you.

I beat my 65K from last year. Learned a little more and fought CT9.31 bugs. Congrats to Ron. Guess that just shows that Aluminum works well. :-)

Report to follow on Tuesday.

dit dit K5F0/7
Chuck Adams K5F0 CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>

Date: Mon, 3 Nov 1997 11:54:03 -0500
From: "W. D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:plquick@facstaff.wisc.edu" <plquick@facstaff.wisc.edu>
Cc: "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [30172] How do you get antenna in the air?
Message-ID: <199711031157_MC2-2687-C9E6@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Paulette:

Here's my \$.02 worth. I use the Quick-Launch system from Antennas West, which works for me up to over 60 feet. Does take practice, though.

Basically you get from them a plastic pail containing a couple of heavy weights and a long light-weight line. One end of the line stays tied to the bucket handle. You swing the weight around or back and forth, then simply heave it upward. Follow through, just like in bowling, is important to aim it in the right direction. Once you have the thin line in the right place, you connect your heavier support line, pull it all up, and you are in business.

BTW, one of the weights comes in a yellow tennis ball. The other one is a replacement, etc.

Anyway, I have had good luck in a variety of situations using this system. Good luck!

72/73,

--Doc/K0EVZ qrp-1 861 norcal 2050 cqc 414 ars 311 mn-qrp 19
nj-qrp 69 ak/qrp 73 arci 9398 arrl was 48/409 dxcc 55/42 <><
FOX total 11/03/97 = 10 of 11 & 8 of 10 N/T+ FOXes

Icom 751a OMNI V Sierra Argo 515 Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP Titan DX TNT/2
Windom SLV/W6MMA G5RV Autek QF-1 RS DSP-40

"Things should be as simple as possible but no simpler"--A. Einstein

Date: Mon, 03 Nov 1997 11:59:05 -0400
From: Greg Weinfurtner <weinfurtner@ouvaxa.cats.ohiou.edu>
To: qrp-1@Lehigh.EDU
Subject: [30173] QRP'ers in SS
Message-ID: <v03110700b083a43775cf@[132.235.72.186]>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"
Content-transfer-encoding: 7BIT

Hi all,

Worked 70 sections class A. Out of 172 QSO's I worked the following guys/gals QRP:

QRP STATIONS WORKED

W6JTI

W6JVA

W0UN

K7MM

W7WHO

W7YAQ

KU7Y

KA10

N5TJ

N5RZ

Congrats to you all, lotsa signal were 599+ at my QTH of Athens, Ohio!

73 de

```
***** Amateur Radio *****
*                                     <><                                     *
* NN      N  SSSSSSS 8888888 0000000 Greg Weinfurtner AEE BSS *
* N N      N  S      8      8 0      0 Electronic Design Splst *
* N N      N  SSSSSSS 8888888 0      0 Ohio University Athens *
* N      N N      S 8      8 0      0 GO BOBCATS! *
* N      NN  SSSSSSS 8888888 0000000 *
*                                     *
* "Can thou send forth lightnings that they may go and say *
*      unto thee, 'Here we are'?" Job 38:35 *
*                                     *
*      weinfurtner@ouvaxa.cats.ohiou.edu *
*      http://ouvaxa.cats.ohiou.edu/~weinfurtner *
*****
```

Date: Mon, 3 Nov 1997 12:14:40 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [30174] LDG Order placed - did you order one?
Message-ID: <Pine.LNX.3.95.971103120842.29270A-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It's far, far easier to send a note to the list than to develop a list of 50 members for distribution of the LDG group purchase info.

I placed the order today - this morning, to be exact.

I'll be doing my best to get them packed and outta here by the weekend.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *

* 6m 80 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* Charter member, Maryland Milliwatters * W3-VK on 3w mobile CW *
*** 301-549-1022 h / 301-982-1015 w ** Life is one big hamfest ***

Date: Mon, 03 Nov 1997 09:04:41 -0800
From: Jeff Grudin <grudin@pacific.vdbs.com>
To: qrp-l@Lehigh.EDU
Subject: [30175] HW Owners Manual?
Message-ID: <345E0429.64D5@vdbs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well I went and did it again. I picked up another HW8 at the swapmeet in Livermore.

The last one I sold, I just sent the manual figuring I wouldn't need it any more. Oh well, at least I did save the Hotwater 8 Handbook.

Does anyone have the manual, or at least the schematic they could send me so that I can get this guy back on the air.

I will gladly pay for postage and shipping. Thanks.

— —

73 de Jeff AC6KW
grudin@vdbbs.com

QRP-L #16 Private Practice : Companion Animals and
Exotics
Norcal QRP #1292 Ocean Animal Clinic / Cat Clinic of Santa
Cruz
Santa Cruz,
California

QRP'ers do it with less energy (but lot's of enthusiasm)!

Date: Mon, 3 Nov 97 12:10:29 EST
From: Joel Malman <malman@BBN.COM>
To: grp-l@Lehigh.EDU

Subject: [30176] SS report

Message-ID: <199711031710.MAA50298@nss4.cc.Lehigh.EDU>

I was having fun working the SS. 15 meters was wide open from here to the west coast, and I was working many W6's... Having a great time. Then Murphy struck.

The WX was bad, high winds and rain and Murphy knew exactly where my hidden G5RV was. He toppled a tree from a neighbors yard at 7:30 pm and then there was silence from the earphones. The ladder line was pulled right out of my antenna tuner. That was the end of the contest until first light.

Got up early Sunday morning. Went out to survey the damage. Both dipole legs and the ladder line are down on the ground. The large tree that Murphy took down managed to take down 3 more trees. What a mess. I decided to not worry about the mess, let the condo association take care of the mess.

I snake the wires and ladder line out from under the tree mess and am back on the air by 11am.

I did not get a big score, but did work a few other Q stations. I never heard The Aluminum King on 15 meters, there was way to many A and B stations. I guess his .95 watts never had a chance to make it to New England.

/joel wa1qvm

Date: Mon, 03 Nov 1997 12:21:04 -0500

From: timcook@erinet.com

To: QRPL <qrp-1@Lehigh.EDU>

Subject: [30176] IC-706 Response!!

Message-ID: <345E0800.15D2@erinet.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Thanks to all for the great response and comments on the IC-706. Almost everyone had very good things to say about it. I think my mind is made up... gonna get one!!

Thanks again to all who responded

73

Tim

NZ8J

Date: Mon, 03 Nov 1997 09:25:27 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: qrp-1@Lehigh.EDU
Subject: [30177] NorCal K8FF Paddle Shipping Info
Message-ID: <3.0.1.32.19971103092527.0071328c@telis.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Yesterday I delivered 300 more NorCal K8FF Paddle Kits to Jim Cates at the NorCal meeting. It was close, but Doug Hauff and I made it, with a couple of trips to pick up parts, and Doug working 16 hour days all week.

Jim will be shipping the kits in the order that the orders were received. All 300 of the kits have been sold, and there are about 100 more on the waiting list for the next run. We have ordered another run, and if everything goes well, I will get the machined parts from Doug Hauff on Nov. 26th, kit them the next week and deliver 500 more kits to Jim at the December NorCal meeting on Dec. 7th. QRPP is being mailed this week and there is a flyer in every issue notifying members of the availability of the K8FF Paddle Kits. We expect another large group of orders as many of our subscribers do not have internet capability, and this will be the first notice of the paddles that they have had. The word is getting out about the paddles, as Jim is getting 50 to 60 letters per day. Jim just thought that he retired!!

Also, Jim is leaving on the 18th of December for a 2 week vacation in Scotland, so he will be mailing as many kits as he can before he departs. The bottom line is, if you want a NorCal K8FF Paddle kit, order well before Jim goes on vacation, or you will have to wait until he returns. Both Jim and I want to thank you for your patience and understanding. Also, Jim requests that if at all possible you include a self-addressed mailing label for each kit ordered, it saves a tremendous amount of time.

72, Doug, KI6DS

Date: Mon, 3 Nov 1997 10:21:19 -0700
From: "Ron Smith" <resmith@primenet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30178] Re: SS - Report - long and boring
Message-ID: <01bce87c\$e621e120\$LocalHost@Presmith>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hey Bob...

Long yes -- boring NOT!

I enjoyed the report.

Thanks es 72

Ron Smith
KD7VD
Boise, ID

-----Original Message-----

From: Bob Kellogg <ae4ic@nr.infi.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Monday, November 03, 1997 9:46 AM
Subject: SS - Report - long and boring

[cut]

Date: Mon, 03 Nov 1997 09:55:08 -0800
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@Lehigh.EDU>
Subject: [30179] SS report W5VBO and a Newbie Tip
Message-ID: <345E0FFC.781F@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang:

I only operated only on Sunday and only on 15 meters from about 1530 to 2400Z, or about 8 1/2 hours total. I just didn't want to face the onslaught of 20 meters and lower.

I wound up with 128 valid QSO's and 48 sections. My goal was to get a 100 QSO pin, so I'm a happy camper.

Here's a tip that some might not be aware of:

I *DID* use my little hand dictation machine to grab the really fast ones,
then played it back with it's half speed option.
It takes time away from operating, but allows me to get those super fast QSO's which I would have missed.
These little machines are pretty cheap, and easy to use.
Of course those solid state units that use RAM instead of tape would be ideal, much faster.

I was surprised, as many others were, at just how few repeats were needed.
Of course, the QRM was somewhat less on 15 than on 20M etc.

I worked only a few QRP types, but their signals were always quite strong. In fact their only difference from the "big boys" was the Q in the exchange. 15 and 10 meters do tend to equalize signal strengths.

It sure was great to see 15 in such great shape!
And now for the upcoming ARRL 10M test!

Date: Mon, 03 Nov 1997 12:39:53 -0500
From: Ed Tanton <n4xy@bellsouth.net>
To: plquick@facstaff.wisc.edu
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [30179] Re: How do you get antenna in the air?... LONG (but good!)
Message-ID: <3.0.1.32.19971103123953.00af1640@mail.atl.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Paulette... NO WAY was it an "upper body strength" problem... I imagine you either used too light a sinker, too heavy a line, or no fishing reel. Perhaps all of the above. You must use the heaviest sinker they make (that I know about.) It is slightly smaller than your average cherry. Buy a small can of florescent orange paint and paint several/all of the weights (you ought to buy at least 6-you're gonna lose some no matter what.)

You need an inexpensive casting reel. Not necessarily a rod. Buy just about the lightest casting line you can find-on a strength-to-size basis. That is to say, the smallest diameter, more or less, with the highest strength for that size. Fishing types get into this sort of macho thing about landing a heavy fish with light line-that is not the point here... the physical size of the line will limit how far the slingshot weight can pull it. You're going to pull a nylon line through the trees with this line, not lift an antenna, so strength is a secondary consideration.

Go to Radio Shack-or wherever-and get a 3 or (better) 4 foot cheap ground rod. Attach the reel to the top of the rod-you can simply use black tape and tape the two mounting feet to the rod with the line exit hole facing what will be 'up' away from the gnd rod. Now, when you are ready to launch, you find a likely spot, stab the ground rod into the ground at an angle so the line end faces you intended target tree, and let fly.

There are two schools of thought about where to put a line in a tree, with one being to literally shoot over the highest point central to the body of the tree, and ultimately allow the weight of the antenna pull it down until it stops. It'll work. Where I live near Atlanta, we have enough whip in the trees that it'd stay up 'til the first thunderstorm. (And yes, I have tried springs, suspended weights, etc. all to no avail. When #10 copperweld was snapped during a storm I chose to lower my antenna heights nearer to the trunk of the tree where it doesn't sway.) Avoid limb junctions with sharp vees. It will tend to trap the knots/wire/etc.

So, I belong to the other school of thought that picks out a nice thick limb near the trunk and tries for placement there. You can do it in two or three tries once you get better at it. This'll get you to 50-60 feet easily, and will have some decent longevity. When you take your shot, reel out some line beside you-JUST DON'T GET IT TANGLED!!! Be certain that as the weight pulls on it, it is pulling from the top of your pile of line, and not the bottom. This will require that after you reel off-say... 20-50 feet, you redistribute it to another spot... since it will reel off with the (weight) end at the bottom. You cannot really expect to let the reel do all the unreeling during flight-you just don't have that much pull on the line, and reeling off some gives it a good start.

OK... once it is over a limb, one pitfall to beware of it to pull it rapidly enough to cause it to wrap around the limb. Once that happens, pull it enough to break it, and get a new weight-that old one it there for the duration. Now, you took your shot, you saw it sail over the limb, where is it??? THAT's the reason for the day-glow-orange. Even then you may have to bounce it a little to find the moving ball. It may even-if you've been VERY VERY good all year-actually make it to the ground on the other side. Don't laugh, it happened to me ONCE... spent 20 minutes jiggling it up and down trying to find the darn thing, and it had made it all the way down. Only way I found it was to go to the other side in hopes of being able to see it from a different angle, and there it was!!! Made my day!!!

Now, you have it over the limb, you've located it 35 feet up, and it freely moves up and down. Start lowering it to the ground. Often there is just enough friction between tree and line that you'll have to jiggle and bounce it down. Any time it's really near a limb, again: beware of causing it to twirl around that limb when you tug. You tug, and you bounce, and finally it gets down. You can see it hanging there 4 feet off the ground. Great!!

Take your roll of slick plastic electrical tape and fasten a line of small diameter nylon or dacron cord (thicker than string-but less than 1/8th in. stuff) to the fishing line. Cut off the weight. Tie each to each using the non-slip small knot(s) of your choice. The smaller the knot the better. I use a pair of square knots in each. Test it for slippage/etc. If solid, then as SMALL as possible, tapering toward the tree, wrap the connection with the tape. This will aide it in slipping through the branches and even forks. Again reel out as much as you need of the cord to reach the other side, then repile it again so the taped end is feeding from atop the pile.

Go to the other side, and carefully pull your fishing line through. When the cord reaches you you're practically assured you have 1/2 of an installation. With the nylon cord, and (I use stranded guy wire... clothesline is ok... but I have found the plastic-covered kind to rarely be strong enough, and stranded guy wire is cheap enough [galvanized!]) attach the cord to the wire. Form a loop end with the wire, using a minimum of 5-6 inches tightly looped around the wire after the 1/2 to 1" diameter loop. Tie the cord through that loop, and turn the wire circle into a long narrow loop to lower its profile as it passes through the tree. Wrap all of that with your plastic tape, again making it taper so that the tree end is the smallest. (The tape really helps the lines slip through the trees.) Now, pull it back through once more, until your wire reaches the working height.

Let me add here that if you use a 6 foot step ladder, you can raise "working height" out of reach of playful children and not-so-playful vandals. I like to put a 1/4" or larger plated eyebolt into the tree here and attach to that. It really minimizes the "profile". Don't get elaborate attaching the wire yet... you still have to put up the other side, attach the antenna and pull one or both sides enough to raise the antenna while keeping it more-or-less centered between the two trees.

There is one final point: simply placing the antenna between the two trees leaves it subject to being drawn and quartered, so to speak. My trees have a nasty habit of swaying in the wind, and sooner or later, they sway in opposite directions, resulting in a 2 piece antenna with the broken ends on the ground. There are all sorts of methods to try and avoid this.

1. You can use springs: a) use a spring strong enough to hold you up! b) know that they ARE going to rust c) and watch out that the wire doesn't manage to slip out of the 3/4 loop found on the usual spring end.
2. You can use pulleys: a) Inevitably the rope WILL come out of the pulley channel b) Rope ain't wire. It rots, breaks, deteriorates, whatever. It ain't wire-and you can't use wire with pulleys (without getting expensive by using sailboat/aircraft stuff) and pulleys really do not have any 'give' they mainly help raising and lowering the antenna. They do help with the next thing you can do.

4. You can use more or less nothing, by keeping your antenna close to the main trunk of the tree, and low enough that sway is minimal. This can be well above 50 feet on a large tree. This has been my final choice at my QTH after repeated failures higher up using all of the other methods. I have had a G5RV 40-45' up for 5 years of summer thunderstorms and such. I was replacing the antenna(s) at least twice a year at 50-60feet. You have to see #10 copperweld snapped in two to become a believer in the stresses involved.

Finally, if you have a lot of squirrels. pellets and shotgun shells are a lot cheaper than new coax. Enough said on that.

Good luck... it may have sounded like a lot, but you can put up a new antenna in a morning, if you prepare things right. Putting the "rock over the limb" can be the easiest part. Do it right, and it'll last for years.

Ed Tanton N4XY EMAIL: n4xy@bellsouth.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

Date: Mon, 3 Nov 1997 12:33:09 -0500
From: Dan Wolfe <n4roa@mounet.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [30180] Fun Weekend SS
Message-ID: <01BCE854.C3E08760@pm122.mounet.com>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

A big Howdy to all,

I sure did enjoy this past weekend. I have not been able to work the SS for last two years due to work schedule but that has now changed due to retirement. I have seen lot of posts on scores and such relating to QRP side of contests so here is mine on SS..

BAND	QSO'S
15M	40
20M	139
40M	73
80M	285

That figures out to a total of 537 QSO'S on all bands..I have not checked for dupes yet and only rough count of 73 multipliers. Just operated and did not try to pounce on multipliers specifically...I did count the total number of QRP'ers I worked and found 37....WOW!...Here is a list.....

N5TJ,N7ML,K3TM,K8XXX,KC0MGR,K5IID,KF2JC,W1XS,N4UW,K8DD,
W9OM,K3WWP,K3CR,KC4WQ,K5FO,K8OUA,W2CS,W6IO,W5TFB,
W7Yaq,N5RZ,W5TD,N0AX,K10J,K5ZTY,W6JTI,KG5U,AA7KF,KT5V,
N3ZZ,AA2GM,K8CV,K8LN, VE7CA,N7IR,KK6MC,AD8J,W0EJ, and
last but not least, N0UR...

The only negative side to working the QRP'ers was the fact that most were ahead of me..heee hee..I get 'em next time...See ya later, I gotta go scrape the fox fur off my antenna so I might have a chance to bag another one tonight..I am using a special scientifically brewed potion that I put on antenna to attract foxi..

73/72 de Dan

Date: Mon, 3 Nov 1997 12:55:50 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [30181] NF3I Philadelphia visit
Message-ID: <Pine.LNX.3.95.971103124256.29270D-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I know, Philly's only 120 miles from here, but hey, lonely guy, big city with lots of "action"...oh well, I don't crave action.

Anyone for dinner Wednesday night? I'll be at the Holiday Inn, City Line, and unless the hotel has exceptional food...

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
* 6m 80 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
* Charter member, Maryland Milliwatters * W3-VK on 3w mobile CW *
*** 301-549-1022 h / 301-982-1015 w ** Life is one big hamfest ***

Date: Mon, 3 Nov 1997 12:42:45 -0400
From: sarraf@thermacore.com
To: qrp-l@listserv.lehigh.edu
Subject: [30182] Re: How do I protect my HB projects with a diode?
Message-ID: <85256544.006041A2.00@tci-nt02.thermacore.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

The shunt diode method is ok but can introduce a new set of problems to unsuspecting users of protected equipment. I once saw a commercial radio which used a small shunt diode and a fuse. The fuse blew, so the radio owner replaced it. The radio then went up in smoke. What happened the first time was that both the diode and the fuse blew. The current was so great that the diode case blew apart and the diode went open circuit. The unknowing owner did the only sensible thing and replaced the fuse. Now that the fuse was good the radio was left with no protection, and the next thing to go were most of the more costly semiconductors. Needless to say it was cheaper to get a new radio than to fix this one. Given more time I would have tried to lean on the manufacturer to replace the radio.

I like the MOSFET idea. It works automatically and you can't defeat it by using too large of a fuse.

Dave Sarraf
N3NDJ
Elizabethown, PA

Date: Mon, 03 Nov 1997 10:24:41 -0800
From: Stan <stan@cruzio.com>
To: tpettibo@nmsu.edu
Cc: qrp-1@Lehigh.EDU
Subject: [30179] Re: Sweepstakes
Message-ID: <345E16E9.7254@cruzio.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Tim Pettibone wrote:

>
> Hmmm, only was able to work 51 Qs and 35 sections or so. Nothing like my
> 200+, 71 sections last year. Was a busy weekend otherwise so had to settle
> for snagging the CY0DX on 40m last night after the testers went to bed!
> Anybody got QSL info on him?
>

Ran a 103.5 temperature this weekend .. didn't feel too much like playing.
1st time in 8 years that I've been ill.

Congrats on the cy0, good catch qrp.. qsl to va3eu per dx cluster.

Sending you a seperate note re: the norcal 40.

Stan N6XU

Date: Mon, 03 Nov 1997 12:28:15 -0600
From: "Owen 'OJ' Quarles" <k1oj@swbell.net>
To: qrp-1@Lehigh.EDU
Cc: CQCLIST <cqclist@lists.csn.net>
Subject: [30180] K10J---SS
Message-ID: <345E17BF.1E7A@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Howdy Y'all,
First the excuses.....My wife came home from the hospital saturday, and
that means lots of tender lovin' care and lots of family and friends
stopping by to help.....Two pre-teen boys home on the weekend...three
dogs, two hamsters and an amazon parrot(named CQ)....deed

restrictions...lets see, I guess thats about enough.
Managed 10.5 sporatic hours. 220 Qs 68 sections. Rig was FT-1000D and
butternut vertical. 5W and a ground plane can work wonders. A couple B
class contester gurus mentioned that the Q boys were out in force and
that they deserve a pat on the back. More than 200 Q class Qs in one
contesters log. Good job guys and gals!
CU---OJ---K10J

..

OWEN'OJ'QUARLES <k1oj@swbell.net>
HOUSTON, TEXAS QRP-L #732
ARCI #9492 AR QRP #64 CQC #476
CW OR CB, ITS YOUR CHOICE!

Date: Mon, 03 Nov 1997 10:41:45 -0800
From: Jerry Parker <jparker@fix.net>
To: qrp-l@Lehigh.EDU
Cc: ki6ds@telis.org
Subject: [30180] NorCal's November Meeting Report
Message-ID: <2.2.32.19971103184145.00b49e6c@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The NorCal November Meeting Report complete with pictures has
been posted on the NorCal Page.

<http://www.fix.net/norcal.html>

Enjoy,,,72,,,Jerry...WA6OWR...K

Date: Mon, 3 Nov 1997 14:21:56 -0000
From: "Bob Duckworth" <wb4mnf@atl.org>

To: "qrp" <qrp-1@Lehigh.EDU>
Subject: [30181] 2222 query
Message-ID: <199711031813.NAA26054@atl.org>

Official rules are where?

I read something about 2N3904 being acceptable as it's
a direct sub for 2222 but want to make sure before starting.
Otherwise, I'll have to go for the 20 and 2 for a dollar deal :-)
Have about 30 3904 in the JB but only a couple of 2222.

-bob

Date: Mon, 03 Nov 1997 11:50:04 +0000
From: Roger Hightower <n7kt@dancris.com>
To: plquick@facstaff.wisc.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30182] Re: How do you get antenna in the air?
Message-ID: <345DBA6C.CA358E1C@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paulette,

The nylon cord you were using presented too much weight/drag to the
slingshot. You need to use monofilament, 10# test or so, and it should
come from a spinning reel or be able to uncoil off of a con-shaped
form. Spinning reel is best.

Check out the "super-Shooter" at

<http://www.dancris.com/~ki7mn>

72 es GL..Roger

--

72/73, de Roger, N7KT
AK-QRP 167, ARCI 8946, CQC 176, GQRP 9081, NE-QRP 383, NORCAL 1099,
QRP-L 62

Date: Mon, 03 Nov 1997 13:49:57 EST
From: n4so@juno.com (charles k brown)
To: qrp-1@Lehigh.EDU
Subject: [30183] Help with Web Access
Message-ID: <19971103.014826.4383.30.n4so@juno.com>

Someone was asking about Internet to E-mail Gateways.
No Web access here.

Can you take a look at "DOWNLOAD" and copy the help or info file? The
Web page is at <http://home.earthlink.net/~winlink> site
This is what I have sent to me.

From: "Steve Waterman" <waterman@telcores.com>

Date: Mon, 3 Nov 1997 09:28:05 -0600

Subject: Re: Internet E-mail System

It is under "DOWNLOAD" on the <http://home.earthlink.net/~winlink> site.

Steve, K4CJX

Steve Waterman, Vice President, waterman@telcores.com
Telco Research Corporation, 616 Marriott Drive, Nashville, TN 37214
Home Page <http://www.telcores.com> -Office 615.231.6122 FAX:
615.231.6144
nnnn

Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-1 #622
n4so@juno.com

Date: Mon, 3 Nov 1997 13:57:14 -0500 (EST)
From: K5BDZ@aol.com
To: K5BDZ@aol.com, qrp-1@Lehigh.EDU
Subject: [30184] Re: How do I protect my HB projects with a diode?
Message-ID: <971103131820_1702811149@emout05.mail.aol.com>

If anyone is interested, in my inventory-to-sell-cheap, I have some new STUD
type GERMANIUM diodes. Being Germanium type, they will have a low voltage
drop for series installation. Being stud type, they will handle respectable
current levels.

Also great for solar panel protection / minimum voltage drop.

I don't have P/N or manufacturer info available at my fingertips, but will look it up and put it on e-mail if anyone is interested, and you can look up the voltage and current ratings.

Price to hams is 2 diodes for \$1.00 plus shipping. (If I have to look up specification info, price is increased to \$4.00 each.) I only have about 36 diodes left, so preference will be to 1) bulk sale and 2) first come first served 3) NO COD's.

Bill, K5BDZ

Date: Sun, 2 Nov 1997 10:23:04 +0000
From: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
To: gqrp-1@blacksheep.org, qrp-1@Lehigh.EDU
Subject: [30185] Wandering keys!
Message-ID: <AQ0ynCAISFX0EwAR@gqrpclub.demon.co.uk>
MIME-Version: 1.0

Firstly, thanks to all who answered my request for ideas on the wandering key syndrome by using up and down iambic paddles. There are some commercial ones offered of course and ideas for using computer type switches. I suppose what ideas I was really after was for a small and cheap unit to accompany a backpacker type rig, like my SST20. I use the MFJ paddles in the shack but this unit is bigger than the tcvr so I was pondering different ideas. One answer would be for a touch keyer perhaps, which could be tiny, light and most importantly cheap! There have been some designs in Sprat over the years.

So, I still await revolutionary ideas from you for a small, lightweight iambic unit, featuring vertical movement ideal for portable use.

Best wishes.

--
Frank, G3YCC
QRP web page: <http://www.gqrpclub.demon.co.uk>

Date: Mon, 3 Nov 1997 11:11:14 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: Joel Malman <malman@bbn.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [30186] Re: SS report
Message-ID: <Pine.SUN.3.90.971103110859.8994E-1000000@vortex>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 3 Nov 1997, Joel Malman wrote:

> I did not get a big score, but did work a few other Q stations. I never
> heard The Aluminum King on 15 meters, there was way to many A and B stations.
> I guess his .95 watts never had a chance to make it to New England.

Hi Joel,

Well, I was running a full 5w during the contest. I just didn't hold
a freq too many times. But I did learn a couple of tricks to try next
year!!

Just wanted to be sure that everyone knows that I was using 5w and not
950 mW during the contest!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Sun, 2 Nov 97 21:58:51 UT
From: "chuck munce" <k0gjx@classic.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [30184] RE: How do I protect my HB projects with a diode??
Message-ID: <UPMAIL05.199711031912170326@classic.msn.com>

HIP HIP HORRAY

I was waiting for some one to say this one. I first saw in qst/ H&K many years
ago. lets see it took about a week!! Good job dave..73 chuck

From: owner-qrp-l@Lehigh.EDU on behalf of David Reid
Sent: Monday, November 03, 1997 01:18
To: Low Power Amateur Radio Discussion
Subject: Re: How do I protect my HB projects with a diode??

If you want complete protection - fit a bridge rectifier to the input.
Then it won't matter which way you plug it in.

(DC or AC or whatever... as others have said you lose a bit of volts though...)

73 es GL

Dave Reid
PA3HBB / G0BZF

(published again in RadCom Nov.1997 issue - portable 6M beam, check it out)
email: david.reid@asml.nl
www: <http://ourworld.compuserve.com/homepages/DRCP/homepage.htm>
alt email: DRCP@compuserve.com

Owner and operator of D.R.Computer Products - makers of the Micro-Kit range.
..

Date: Mon, 03 Nov 1997 13:26:38 -0500
From: "Buck, Preston D" <BuckPD@corning.com>
To: "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [30185] FOX: N/T+ Schedule change
Message-ID: <6B137F61081DD0118DF600805FEAC5C588BF66@SILVER.CORNING.COM>
Mime-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7BIT

Greetings All,

I am the N/T+ Fox for 8 Nov 0000-0200 UTC (7 Nov 1900-2100 Eastern time)
but my travel schedule has changed so I need to move my operating time.

Let's move it up 24 hours to 7 Nov 0000-0200 UTC (6 Nov 1900-2100
Eastern time).

The radio is Yaesu 757GX turned downed to 5 watts feeding a homemade
vertical that I found on the G-QRP web site. It is mounted to the side
of my trailer and uses the whole trailer as a counterpoise, and is
easily removed to keep the neighbors happy. I will be testing the
antenna this week. And, in case the antenna works poorly, I have made

arrangements with a friend to operate from their house on top of a 1800 foot hill with my G5RV, but that will be next time.

As for my code skill, it is very poor, which is why I am subjecting myself to being a FOX. I can copy letters okay but numbers throw me, so please bear with me. My goal is to improve my code enough so that I can enjoy CW, upgrading will naturally follow.

I hope to hear you on the bands.

73

Preston Buck, N0GLM

Mandatory Corporate Disclaimer: These are my thoughts and words, not my company's.

Date: Mon, 3 Nov 1997 13:20:11 -0600 (CST)
From: george fremin iii <geoiiii@bga.com>
To: bkassel@dancris.com
Cc: qrp-1@Lehigh.EDU
Subject: [30186] Re: SS report W5VBO and a Newbie Tip
Message-ID: <199711031920.NAA09852@zoom.bga.com>
Content-Type: text

Brian Kassel writes:

> Here's a tip that some might not be aware of:
>
> I *DID* use my little hand dictation machine to grab the really fast
> ones,
> then played it back with it's half speed option.
> It takes time away from operating, but allows me to get those super
> fast QSO's which I would have missed.

I would like to add that most/all of the serious guys will slow down for you if you let them know. I ran most of the contest in the 28-32 wpm range - most of the time at 31 wpm. Some stations would call me by sending there call fallowed by QRS - I think this worked great for both of us as I would slow down before sending the exchange back to them.

--

George Fremin III
Austin, Texas C.K.U.
K5TR
512/416-7010

"Eight is enough."

geoiiii@bga.com
http://www.kkn.net/~k5tr

Date: Mon, 3 Nov 1997 11:18:59 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: Chuck Adams <adams@chuck.dallas.sgi.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [30186] Re: SS 97
Message-ID: <Pine.SUN.3.90.971103111814.8994G-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 3 Nov 1997, Chuck Adams wrote:

> fought CT9.31 bugs. Congrats to Ron. Guess that just shows that
> Aluminum works well. :-)

Wheeeeeeeee !!!!!!!

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 3 Nov 1997 13:47:44 -0600
From: "Kelly Ellison" <kelman@dialnet.net>
To: <qrp-l@Lehigh.EDU>
Subject: [30187] More 10 meter stuff
Message-ID: <199711031946.NAA05733@shell.dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello,

I heard the ZS6PW Beacon on 28.185 at about 1:30 PM Central. It wasn't strong, but it was clear. Also, worked a HB0/5AB/P last night on 30 meters. Anyone else copy his call sign? Using IC706 here and 280 foot loop. 73 all,

Kelly Ellison
WB0WQS
QRP-L#702
Aurora, MO

Date: Mon, 3 Nov 1997 19:48:39 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: v3lry@ix.netcom.com
Cc: qrp-l@Lehigh.EDU
Subject: [30188] Re: QRP CW SS Score
Message-ID: <199711031948.TAA16133@chuck.dallas.sgi.com>

Glenn,

Thanks for the sacrifice. I think you guys put WY back on the map. Glad to get you guys during the test. Yes, you will need the QSLs. :-)

1. The SS is a glorified foxhunt. You see the same problems on a larger scale.
 - a. Running 500 Hz filter narrows down the field of players as I noticed a bunch of guys on the edge, i.e. they could be missing Qs because they were off.
 - b. I missed NL, YT, PR, and VI. PR and VI I should have had on 15M like last year but I didn't hear them.
 - c. Sunday I was needing NNY and NE. I was tuning up the band of 20M and heard this terrible pileup. Poor station in NE was in overload. Later I had a freq nailed down on 20M and called CQ and was making a run. Worked a 0 and was all excited that he might be in NE. Nope. 5 Qs later I get a call from another 0 and I tagged onto my exchange PSE BE NE, I NEED NE. :-). It was more than he could handle, so resent exchange. Yep NE in the bag and got 3 more in about 30 minutes. They were all S&P just to avoid the pileups.

Some people have noted in this group how to do pileups on the foxhunt. Tailending, freq split, RIT, split, lists, etc. Jay VY1JA had a large group on 15M on Sunday and I'm sure the QSO rate was very very low. Guys just wouldn't play fair.

There just isn't an answer that will amke everyone happy.

2. Worked a number for the group. Thanks for being there gang.
3. I gotta quit worrying about multipliers. Just work 'em and they will come.

ARRL will probably wakeup to the call now. Someone post to the contest reflector. adams@sgi.com wanting breakdown on S&P vs others on distribution of A, B, and Q contacts. I found that I got more Q when had freq tied down. As expected.

Be sure to turn in the logs to ARRL.

tnx

Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>

Date: Mon, 03 Nov 1997 13:49:25 -0600
From: Jim <kj5tf@mctc.com>
To: qrp-1@Lehigh.EDU
Subject: [30188] \$15 Solar Panel
Message-ID: <345E2AC5.5FED@mctc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi solar QRP fans! I just got my latest order from American Science and Surplus, 3605 Howard st., Skokie, Ill. 60076 - www.sciplus.com

They have a 18v solar panel (#27175), 13"x3" selling for \$15. It puts out around 1/4 amp or less, is well coated for outside WX, and has good +/- power leads.

Unlike the "Sunny Square Foot" which they also sell. There's a problem with some of those. They didn't have solderable connections on all of them!

This little solar charger will power a weekend QRP'er just fine, if you charge a small battery a few days. Jim AR QRP #2

Date: Mon, 03 Nov 1997 13:59:32 -0600
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
To: qrp-1@Lehigh.EDU
Subject: [30189] Re: Two-wire Yagi
Message-ID: <345E2CFE.ABB@uts.cc.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hey gang,

I've missed the original posting on the two element wire yagi's, but I built a "mini" version, two element wire yagi for 20 meters. It uses mid-element inductive loading coils and "shortented elements. You can see a brief description on my web page, pictures and SWR chart included.

<http://uts.cc.utexas.edu/~hansong/>

I also have a brief construction "manual" if you want to contact me at my e-mail, I'll ship it to you as an attachment. It's a Word document at the moment.

I found the info supplied by W.L. Cebik's web page invaluable and somewhere in all the reading I've done, I remember seeing that the "upper-limit" of gain to be expected for a two element yagi is around 6 dB, but I don't remember if that was relative to a free-space isotropic radiator or if that was relatative to a dipole. It does make a difference.

In practical terms, I've been delighted with the mini-version. According to theory, it is impossible to achieve the same gain as a full-length yagi, but I have had very satisfying results on 20 meters. You can see a frequency distribution of the RST reports I got with my first 24 contacts, spread over nearly a month of highly variable propagation conditions back in July and August. About one-fourth of the contacts were a 569 or higher! I used it in the Bubba and the Diller Chase contests and had no trouble getting out. If my contest skills were as good as the antenna, I could have made a lot more contacts.

Incidentally, my total construction costs were in the \$25-30 range, not bad for a two-element yagi!

Just get out there an build 'ya one!

Gary, KJ5VW

Date: Mon, 3 Nov 1997 19:58:14 GMT
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: ham@w3eax.umd.edu
Cc: qrp-1@Lehigh.EDU
Subject: [30189] Re: W3EAX/NF3I sweepstakes report
Message-ID: <199711031958.TAA16274@chuck.dallas.sgi.com>

Scott,

NE - worked 5 times

AK - 12 times, six in one row on 20M greyline. You guys have to understand 20M sunset AK and PAC guaranteed.

I am amazed at this group the number of scores that went over 80K.
What a group. Next year it's two radios. :-)

dit dit

Chuck Adams K5FO CP-60 adams@sgi.com

<http://reality.sgi.com/adams/index.html>

Date: Mon, 03 Nov 1997 14:19:36 -0600
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
To: qrp-l@Lehigh.EDU
Subject: [30189] 2222 Design - Mixer termination
Message-ID: <345E31AF.6605@uts.cc.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hey gang,

I've been reading the design stuff in ARRL Handbook, QRP Classics, QRP Power and other related materials and wonder what the pro's and con's of terminating a passive double balanced mixer.

Here's the question: You can use a passive (diodes) double balanced mixer to (1) combine the RF from the antenna with a VFO or (2) to combine the IF signal with a BFO signal to get an audio signal. The signals coming out will be f_1+f_2 and f_1-f_2 . From what I've read there are several ways to terminate the signals coming out. One way is to use a 6 dB attenuator pad, followed by an IF amp of some kind (2N222, obviously) that then feeds into crystal filter OR you could terminate it with a di-plexer. I don't understand all the issues, but evidently there is a trade-off with IMD and noise floor and gain.

Question: What are the pro's and con's of these two systems? Are di-plexer's only used with an audio signal coming out of balanced mixer? Can you use a di-plexer approach with IF level signals?

What I'm thinking of is this: Terminate the first mixer with a 6 dB pad, followed by an IF-pre-amp going into a crystal filter and then take the signal out of the crystal filter, amplify it in an IF stage, feed that signal into another double balanced mixer (passive) with a BFO to get my audio signal coming out, but terminate this mixer with a di-plexer. Make any sense? Wanted to take this audio signal through a nice audio filter before amplifying it to speaker level output. Actually, isn't the diplexer an audio filter by definition???? Is the di-plexer just a combination of a low-pass and hi-pass band filters?

Hey, I've never designed anything before, but is this ever fun! Thanks for your thoughts.

Gary, KJ5VW

Date: Mon, 03 Nov 1997 15:24:55 -0500
From: Randy Hargenrader <randyh@harksystems.com>
To: qrp-l@Lehigh.EDU
Subject: [30190] Re: How do you get antenna in the air?...
Message-ID: <345E3317.7A32@harksystems.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

When I was in the Navy we used Mark One Mod One Skyhooks.
They are very hard to come by these days however...
(Those and those pesky "Sea Bats"!!)

--
73, Randy WJ4P
Knightlites QRP-L #296

Date: Mon, 3 Nov 1997 19:56:04 -0000
From: John Anthony Reynolds <D2250077@infotrade.co.uk>
To: "'len@infinet.com'" <len@infinet.com>
Cc: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>
Subject: [30191] RE: Coax VS Ladder Line feed = and a problem
Message-ID: <01BCE892.E873BE60@default>

From: Len W. Tough
Sent: 03 November 1997 16:38
To: Low Power Amateur Radio Discussion
Subject: Coax VS Ladder Line feed = and a problem

Hello Ladies and Gents

I have a slight problem, perhaps you could help me with.

I currently run coax to all my antennas and they are buried underground directly until I get them to the mast of the antenna they are feeding.

I have had no failures, except for my Fritzel windom that fails once per six months because I use a very tall tree to support the center of the antenna, and I do not have a ladder tall enough to bind the coax to the tree at height, so the coax beats against the tree in the wind until the outer jacket wears, and then moisture enters and the rest is history. New Coax feed is run. I guess I need to develop some sort of stand-off. Any Ideas?

73

W8VQ
Len Tough
len@infinet.com W8VQ@key.com

Hi Len,

a possible cure would be to slide the length of coax into a couple of lengths of heatshrink, although this will eventually wear through it will take a long time to do so.

73 de John G3PT0 GQRP # 595

Date: Tue, 04 Nov 1997 04:39:34 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: k0gjx@classic.msn.com
Cc: qrp@pandora.lugs.org.sg
Subject: [30191] RE: How do I protect my HB projects with a diode??
Message-ID: <345e3687.pandora@pandora.lugs.org.sg>

On Sun, 2 Nov 97 21:58:51 UT, "chuck munce" <k0gjx@classic.msn.com> wrote:
> If you want complete protection - fit a bridge rectifier to the input.

This offers as much protection as one in-line diode. It does however offer much more convenience, with the possibility of developing the habit of not caring which polarity you use!!! Also, with 2 diodes in line, you lose 1.4V!

— —

Content-Type: TEXT/PLAIN; charset=US-ASCII

Category: Single Operator QRP

160	0	0	-
80	6	12	-
40	43	86	-
20	6	12	-
15	6	12	-
10	0	0	-

Score: 4,880

Power Output: 5 watts Hours of operation: 10

Equipment Description: KENWOOD 870

Club Affiliation: Maple Syrup Marauders

I use contest to build up my code skills.
This is a great contest for doing this.

My code speed is considerably better than it was
before getting started in contesting, but not
as good as it will be. Your talking about a guy here
who though he made a serious mistake in buying
his ham gear ahead of learning code.

I thought 5 wpm was fast at the time.

Now I can copy about 25 to 30 wpm if the
copy is good. Although I do
ask for repeats occasionally.
That is PROGRESS.

My goal is to copy at 40 to 45 wpm and
to learn to copy in my head for rag chewing.

Cul on the bands, the best practice there is.

de AA1IK, Time the accursed enemy of man,
Ernie Gregoire cursed youth for going to slow
 and by the old for going to fast.

R.R. 1, Box 221,
South Rd. Fists # 2644, ARCI # 9500
Canaan, NH. 03741 QRP-L # 95, Fly fisher & tier,
 Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA

11/03/97 20:49:50

Date: Mon, 3 Nov 97 16:05:56 EST
From: "L. Mark Pilant - MS:ZK03-4/Y02 DTN:381-1529" <pilant@seesaw.ENET.dec.com>
To: qrp-1@Lehigh.EDU
Subject: [30192] RF Choke values
Message-ID: <9711032105.AA26997@us2rmc.zko.dec.com>

This past weekend I was having fun tinkering with a sweep oscillator I'm building to show a filer's bandpass curve on a 'scope. (BTW, for those interested, the circuit was in the ARRL handbook a couple of years back [my most recent is 1995] and was originally in QEX.)

Anyway, in putting it together I didn't have the correct values for the RF chokes used in the wide band amplifiers to tie the transistors to the plus rail. (The circuit called for 10uH and all I had was 33uH.) I started looking through various books to see what effect this would have, and I couldn't find a clear answer.

I checked the ARRL handbook, the Solid State Design..., and the Radiotron (big red 4th edition) tome :-) and saw hints and clues but nothing definitive.

So here're the questions:

- 1) What is the appropriate way to choose the RFC value?
- 2) What effect does altering the choke value from the desired value have?

Well, back to soldering and head scratching :-) :-)

73

- Mark N1VQW

Date: Mon, 03 Nov 1997 13:20:29 -0800
From: Bob White <bobwhitewo3b@geocities.com>
To: qrp-1@Lehigh.EDU
Subject: [30193] Milliwatting the CWSS
Message-ID: <345E401D.493F@geocities.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Are there any other crazy fools on there who ran the CWSS at less then 1W watt this year?

Please email me any reports of milliwatting activity for the 1997 CWSS so that I can include them in my Milliwatting article for the QQ.

Reporting of scores, equipment used, time worked and general comments will be appreciated.

I just moved into a new QTH here in CA this past month. The CWSS sure kickstarted my run for WAS under 1W. I went from 0 worked to 32 worked all in a casual 8 hours of 900mw operations.

Lessons learned.

5. HI and AK are much easier to work when you live on the left coast.
4. NE is impossible to find no matter where you live.
3. Of course KA9FOX is QRP!
2. The GAP Titan is a very nice antenna for a small yard and you can hang your wet socks to dry from it. I still miss my 571' loop.
1. Center your signal in the receiving ends bandpass. You can normally do this by zero beating the station he just got done talking to. Zero beating the receiving ends transmit signal will not always get you there as it is most probably using RIT.

72,
Bob White W03B

Date: Mon, 03 Nov 1997 14:36:39 -0600
From: "Phil, K6LS" <k6ls@amsat.org>
To: qrp-1@Lehigh.EDU
Subject: [30194] perspective on qrp
Message-ID: <345E35D6.A69A9FCD@amsat.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We've been down this road before, but the numbers are so awesome that I must bring them up again....While visiting the Voyager web site I came across these numbers (as of 10/10/97 I do believe)

<http://vraptor.jpl.nasa.gov/voyager/>

The sensitivity of our deep-space tracking antennas located around the world is truly amazing. The antennas must capture Voyager information from a signal so weak that the power striking the antenna is only 10 exponent -16 watts (1 part in 10 quadrillion). A modern-day electronic digital watch operates at a power level 20 billion times greater than this feeble level.

If I'm not mistaken (ie- info off of a NA5N qsl) the VLBA has at least 1×10^{-20} mW.
and if the info from the Voyager web site is correct at watts and not milliwatts, then
we're looking at a 5NN signal into the VLBA (if they were to be using it for C&C)
from a Distance from the Earth (Mi) 6,380,000,000 (V1) 4,930,000,000 (V2)

--
73 de Phil, K6LS

k6ls@qsl.net <or> k6ls@amsat.org
<http://www.qsl.net/k6ls>

DM79or , Arapahoe County, Colorado ITU zone 7, CQ zone
4

QRP-L #612 NorCal #824 CQC #471 ARCI #8866

Date: Mon, 03 Nov 1997 15:40:12 -0600

From: "Rattray, Bruce" <Rattray@siast.sk.ca>
To: "'QRP-L'" <qrp-l@Lehigh.EDU>
Cc: "'Mike Gipe-K1MG-'" <mgipe@reliablemeters.com>
Subject: [30195] Fox
Message-ID: <ABB04875E11AD01191A40000F83092BE3B3F2D@stone.siastr.sk.ca>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7BIT

...picture this...four people arrive at the Regina Amateur Radio Association club station...a look of concern paints everyone's face...
...Bonnie says "...I talked with our family doctor about this and he was at a loss to explain it...so I thought "...maybe the hams can help..."...

...Larry nodded ... "...everything that will be said here has to be kept secret...it's "for your ears only..."...

...six ears nodded in agreement...

..."can I assume you've all heard of the Wouff-Hong ceremony?..."...

...the ears nodded again...

Larry continued..."...it's actually a front for the real purpose behind the Wouff-Hong and the Rettysnitch...most amateurs think it's just a fun thing to be inducted into the Wouff-Hong Society at midnight during an official ARRL convention... this is usually what happens...but it's real purpose is to protect amateurs everywhere from a danger that can affect any amateur in carrying out the Code of Conduct...

...during his successful attempts to activate amateur radio after the war, Hiram Percy Maxim was privy to some 'most secret' research done by the IARU...simply put, all transmissions ever made by any amateur are still traveling through space, as far as is known, forever... one part of their research was very disturbing...they observed that once in awhile these transmissions, particularly ones coming from transmitters with powers of less than 5 watts would develop a pronounced curve on them as they travelled through space...further research showed that black holes that happened to be nearby were sucking this RF energy right into the middle of the Hole...

...not really a problem eh?...actually, a very big potential problem...The Old Man knew that the most fragile and difficult to maintain part of the Amateurs Code of Conduct was that which deals with the amateur being "balanced" ...should a ham become "unbalanced" for whatever reason, Hiram felt there had to be a way to try to regain the "Balance" for the sake of the amateur, the amateur's family and amateur radio as a whole...as well, Hiram didn't want to panic the amateurs with this knowledge...thus, "Wouff-Hong , Part 1, The Ceremony", was created as a front for" Wouff-Hong, Part 2. The Cure"...

... you've probably heard that every transmitter has it's own

'signature'...for unknown reasons if the Black Hole starts pulling in a number of transmissions with the same 'signature' it begins concentrating on those and ignores all others...the pull becomes so strong that a 'bridge' is finally made between the mind that created the transmissions and the black hole...at this point the Black Hole begins to pull in the person's sub-conscious ... nothing escapes it...Bruce has become obsessed with the QRP Fox Hunts...the proof is in his eyes...they're starting to turn black...when they're all black, he's gone!

...he'll leave his family, his ham shack and be doomed to a life of wandering the earth, zombie-like...he will seek out antennas where he'll disconnect the transmission lines from the antennas... he'll grasp a coax in one hand and point his other arm to outer space trying to transmit more RF energy to the black hole until one day he'll 'beam up' into the black hole and be gone forever..."

...on the verge of tears, Bonnie said..."...you mentioned the Wouff-Hong ceremony?...".

..."...yes...I don't know if it really works or not but I believe it's his only chance..."...

...Bonnie asked..."...when do we try it?...".

QRP! It says it all!

72 - hambly, the Scribe.

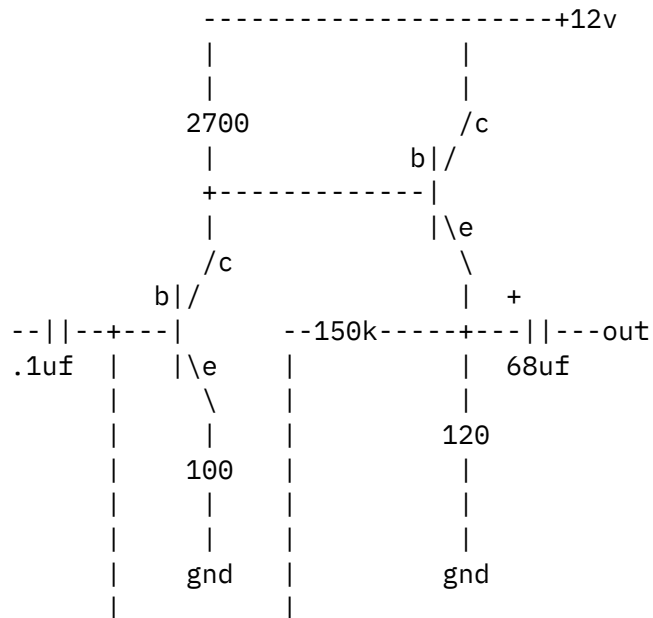
Date: 03 Nov 1997 16:56:49 -0500
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
To: qrp-l;;
Subject: [30196] 2N2222 Audio amp, ClassA for earbuds
Message-ID: <1997Nov03.165649-0500@[130.113.234.7]>

Gang-who-use-2N2222's,

Still smarting over the "NIX on PNP devices" decision.
Makes driving a speaker REALLY difficult (or costly). Looked up Digi-Key to find how much push-pull transformers cost. OUCH!

So back to the Class-A amplifier.
Here's a design that'll drive medium-Z headphones. You want to make the headphone impedance as high as possible. So drive them in series for sure. My tests were using earbud types, 32 ohms each (64 ohms in series). Not the best - look for rare-earth magnet phones: they're more efficient. 8-ohm phones? Not with

Use a display font that isn't proportionally spaced:



Saturday's initial get together of QRP minded hams in the Portland/Vancouver area netted 10 people for an eyeball and coffee.

Many other groups have started with much less -- the AZ ScQRPIons started with only two at a preliminary meeting.

If you missed this one then look for another get together (a meeting sounds so formal) in early November. Hope to meet more folks interested in QRP, either old timers

or those just starting to test the waters. Until then we'll keep in touch through e-mail and on 7.040.

72,

Mike KL7IXI

burning solder in Vancouver

AZ ScQRPions, AK QRP, QRP-L

.38 Special, Sierra under construction

Get your free and private web-based e-mail from our new partner at <http://www.mailexcite.com>

Date: Mon, 3 Nov 1997 17:04:12 -0500 (EST)

From: K5BDZ@aol.com

To: K5BDZ@aol.com, qrp-l@Lehigh.EDU

Subject: [30198] Re: How do I protect my HB projects with a diode?

Message-ID: <971103143146_-1811845438@mrin43.mail.aol.com>

Diode update:

The Germanium Stud diodes I mentioned earlier are:

Germanium Power Devices P/N G30R4 (Blue Dot)

I do not have available any specs, voltages, current ratings, etc.

Once again, I only have about 36 pieces left.

Bill, K5BDZ

Date: Mon, 03 Nov 1997 15:04:54 -0600

From: "Phil, K6LS" <k6ls@amsat.org>

To: qrp-l@Lehigh.EDU, vhf@w6yx.stanford.edu

Subject: [30199] perspective on QRP/weak signals

Message-ID: <345E3C75.32497C2@amsat.org>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Please pardon the side trip from the 2222 project....AND the previous message which was accidentally sent before completion.

We've been down this road before, but the numbers are so awesome that I must bring them up again....While visiting the Voyager web site I came across these numbers (as of 10/10/97 I do believe)

<http://vraptor.jpl.nasa.gov/voyager/>

The sensitivity of our deep-space tracking antennas located around the world is truly amazing. The antennas must capture Voyager information from a signal so weak that the power striking the antenna is only 10 exponent -16 watts (1 part in 10 quadrillion). A modern-day electronic digital watch operates at a power level 20 billion times greater than this feeble level.

If I'm not mistaken (i.e.- info off of a NA5N qsl) the VLBA has at least

1×10^{-20} mW. and if the info from the Voyager web site is correct at watts and not milliwatts, then we're looking at a 5NN signal into the VLBA (if they were to be using it for C&C) from a distance from the Earth (Mi) 6,380,000,000 (V1) 4,930,000,000 (V2)

(should we be talking Janskies (?) here ?? - I lost my 'first contact' technical notes from Mr. Harden during a browser update - my fault (ps. if someone could forward that posting....please do so)

so, the next project to be working on after the 2222, is to go down to the local k-mart (Hey this is the easy part..) and buy one of them cheap-o digital watches and make ourselves some QRPppp transmitters. The hard part will be making the receivers and antennae. ;-)

--

73 de Phil, K6LS

k6ls@qsl.net <or> k6ls@amsat.org
http://www.qsl.net/k6ls

DM79or , Arapahoe County, Colorado ITU zone 7, CQ zone
4

QRP-L #612 NorCal #824 CQC #471 ARCI #8866

Date: Mon, 03 Nov 1997 16:17:55 -0600
From: jim <kj5tf@mctc.com>
To: W9SUL <pugrad@millcomm.com>
Cc: qrp-l@Lehigh.EDU
Subject: [30200] Re: \$15 Solar Panel
Message-ID: <3.0.5.32.19971103161755.0079aca0@cei.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 02:09 PM 11/3/97 -0600, you wrote:

>Jim,

>

>Your post (below) on the solar cell interests me. I would like to learn
>more and "enter" the solar recharged QRP operations field. At this time I
>know nothing about solar operations (running off batteries recharged by
>solar power).

>

>The solar panel you mentioned seems to be an "inexpensive" way to get part
>of the required gear. I also understand that one needs a "charge
>controller" between the solar panel and the battery being charged. Seems
>to me that someone here on the QRPlistserv mentioned one that was "very
>adequate" for \$25 a while back. Do you have any suggestions on charge
>controllers?

>

Great! well, I wouldnt worry abt a controler for a small panel like this.
But just find a blocking diode later on to stop current from flowing from
btry to panel at night. Any junkie diode of the right kind will work. Use a
voltmeter to tell if the diode is wrking and btry volts will only come up
if its right. Until then remember to connect the panel in the AM and
disconnect in late afternoon.

Date: Mon, 3 Nov 1997 15:31:28 -0700
From: torell@sicom.com (Kent Torell)
To: pilant@seesaw.ENABLE.dec.com
Cc: qrp-1@Lehigh.EDU
Subject: [30201] Re: RF Choke values
Message-ID: <v02130503b083ffa9d38a@[192.91.202.41]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Mark poses a question:

>.... in putting it together I didn't have the correct values for the
>RF chokes used in the wide band amplifiers to tie the transistors to the
>plus rail. (The circuit called for 10uH and all I had was 33uH.)

...

>So here're the questions:

- > 1) What is the appropriate way to choose the RFC value?
- > 2) What effect does altering the choke value from the desired
- > value have?

Mark, the purpose of the rfc is to isolate the stages over the operating frequencies. The reactance is usually picked to be at least 10 times the operating impedance (if 50 ohms, at least 500 ohms reactive) so it doesn't effect the main circuit. The larger 33uH will have 3x the reactance, so should work ok. The caveats: parasitics will increase, so the self-resonant frequency of the 33uH choke will be lower than the 10 uH choke. Finer wire may be used, so the total current capacity will be less, and the series resistance will be higher (bigger voltage drop).

But, I would by all means try them, particularly if you have them on hand.

Layout note: they are nice little solenoids, so don't put them next to each other, and, if you can, lay them out at right angles to each other to minimize the interstage coupling.

Kent Torell torell@sicom.com 602-607-4852
SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260
AB70A scQRPion 6,qrp-1 57,ARCI 9075 DM33xn 33.55 N 112.078 W

Date: Mon, 03 Nov 97 18:07:30 cst
From: "Royce Rainwater" <ke5tc@cwis.net>

To: "qrp-l internet club" <qrp-l@Lehigh.EDU>
Subject: [30202] cw filter
Message-ID: <MAPI.Id.0016.00653574632020203030303530303035@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"
Content-Transfer-Encoding: 7bit

Hello gang:

I have an Icom IC706 without a cw filter.
Which would you suggest - 500 hz or 250 hz ??
the IC706 can take only one filter. They corrected
this in the IC706MKII.. Will the 250 be too narrow
for qrp-cw ?

thanks Royce KE5TC
ke5tc@cwis.net

Date: Mon, 03 Nov 1997 18:45:27 -0500
From: mikemo@ibm.net
To: Arjen.Raateland@vyh.fi
Cc: QRP-L <QRP-L@Lehigh.EDU>
Subject: [30203] Re: re. 10 Meter CB/CW thoughts
Message-ID: <345E6217.115B@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Arjen Raateland wrote:

> Could somebody elaborate on that bit about tracking somebody that breaks
> the law, the tracker getting sued for it and then loose as a matter of
> course!?
>
> Interesting application of justice, but hard to understand

Well, I'm not sure of the exact legal situation. If you would like I'll
forward the arrl email to the list.

72 de kf4trd

Date: Mon, 03 Nov 1997 15:49:05 -0800
From: Charlie Panek <charlier@lsid.hp.com>
To: qrp-1@Lehigh.EDU
Subject: [30204] SS CQ 97
Message-ID: <345E62F1.BFA@lsid.hp.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This was my first stab at QRP SS, and I was pleasantly surprised at my score. Dunno what made me do it, maybe putting together a '38 Special recently, or maybe I just thought that *somebody* needs to give NOAX a *little* competition ;-).

Worked a few calls from the list: AE0Q, KU7Y, K0FRP, N0UR, W8RU.

Biggest thrill: On my last sweep through 20m Sunday evening, I stumbled back into the VY1JA pileup just as he finished a QS0. On reflex, I sent my call. Then I fell off my chair when he came back! I had written him off earlier; the pileup sounded "HeardIslandesque".

All those eastern Canadian sections stood in the way of a clean sweep, along with VT and *Nebraska*, of all places. (they must still be buried under snow there...). You can imagine the joy with which I greeted the news of *another* ARRL section in eastern Canada.

Still, it was great to have 10 meters back with us. Next year should be truly exciting...

Call: KX7L Section: Western Washington
Mode: CW Category: Single Operator QRP

BAND	QS0	QS0 PTS	SECTIONS
80	42	84	-
40	44	88	-
20	210	420	-
15	87	174	-
10	27	54	-

Totals 410 820 74

Score: 60,680

--

Charlie Panek KX7L	Hewlett Packard Company
mailto:charlier@lsid.hp.com	Lake Stevens Division

Everett, Washington

Date: Mon, 03 Nov 1997 18:58:01
From: Steven Weber <kd1jv@moose.ncia.net>
To: adams@chuck.dallas.sgi.com (Chuck Adams)
Cc: qrp-1@Lehigh.EDU
Subject: [30205] Re: 2N2 project (2)
Message-ID: <3.0.1.16.19971103185801.22bfd82e@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Chuck and gang,

>I had that low noise circuit earmarked as a must do for
>this contest. I'm sure the group is all ears for
>all or any of your comments.

Well, I'm very pleased with this oscillator.

(K7HFD low noise oscillator, page 14.18, '96 handbook, page 126 "Solid State Design for the Radio Amateur")

I didn't feel like spending a lot of time TC'ing it, so just built it the best I could using silver micas and NPO's. For a tank coil I used a T37-6 (yellow). I found that any slight movement of the wire made the frequency change, in fact "fine tuned" it by moving the turns around. Then I put a thick layer of red nail polish over the turns to hold them in place. (lets not get into that thread again) Once I was sure everything was working properly, I then melted wax over everything, and I mean the whole board, except the bottom. This makes sure nothing moves.

I also added in a Varicap for RIT.

To make a good VFO you have to go to extremes. I built a small pc board that solders right to the posts on the end of the APC air cap. This way I don't have any wires that might wiggle around. I then made a copper clad box to enclose the whole thing, tuning cap and all. Next I might wrap it insulation. I just hope I don't have to take it apart again :-)

So, how well does it work? I get 3-400 Hz of warm up drift in the first 5 minutes, most in the first couple. After about 15 it has pretty much settled down and only wanders around a few Hz. (at 11.5 Mhz) Good enough for me.

Now if I can only find that little 1" verner knob I was saving for

something like this. It has completely vanished. Might find it the place
all my Bic pens, lighters and dropped hardware go, the Twilight zone, hi!

>Looks like there are a bunch of on the same
>track. I'm hope there is not a train coming from the
>other direction.

Is that a light at the end of the tunnel? Oh no, it's a train coming our way!!

72N2,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Mon, 03 Nov 1997 18:51:31 -0500
From: Hank Kohl K8DD <k8dd@contesting.com>
To: ke5tc@cwis.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [30206] Re: cw filter
Message-ID: <3.0.1.32.19971103185131.0078b83c@tir.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 06:07 PM 11/3/97 cst, Royce Rainwater wrote:

>Hello gang:

>

>I have an Icom IC706 without a cw filter.

>Which would you suggest - 500 hz or 250 hz ??

500 Hz.

>the IC706 can take only one filter. They corrected

>this in the IC706MKII.. Will the 250 be too narrow

>for qrp-cw ?

It won't be too narrow, but as your only CW filter it would be
impractical.

I'd get the 500 Hz - which is a good general purpose CW filter. Put the
money that you saved by not getting the 250 Hz and put it towards a
quality DSP unit or a SCAF filter.

With the 500 hz you will miss the stations who are way off zero beat
with where you are listening. With a 250 hz filter you will miss the
stations who are more than about 125 hz either side of where you are
listening.

I have a 500 hz in my TS50S and if I really need it, I can hang the
Timewave DSP box on it.

73 Hank K8DD aka WQ8RP in QRP contests.

Date: Mon, 3 Nov 1997 18:58:22 EST
From: K5BDZ <K5BDZ@aol.com>
To: ke5tc@cwis.net, qrp-l@Lehigh.EDU
Subject: [30206] Re: cw filter
Message-ID: <17ada655.345e64f0@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

My opinion is to use 500 Hz filter if you must use xtal filter. I prefer
audio filters what are much more variable.
Bill, K5BDZ

End of QRP-L Digest 898

